

1879

3

CANADA:
A HAND-BOOK
OF
INFORMATION
FOR
INTENDING EMIGRANTS.

-1879-



OTTAWA:
PUBLISHED BY THE DEPARTMENT OF AGRICULTURE.
1879.

CANADA:
A HAND-BOOK
OF
INFORMATION
FOR
INTENDING EMIGRANTS.



OTTAWA:
PUBLISHED BY THE DEPARTMENT OF AGRICULTURE.
1879.

CONTENTS.

CHAPTER	PAGE
I.—Introduction.....	3
II.—Motives to Emigrate.....	4
III.—Classes who should Emigrate.....	5
IV.—Position and Extent of Canada.....	6
V.—Government and Social Position.....	8
VI.—Administration of Justice.....	9
VII.—Climate of Canada.....	11
VIII.—Farming and Stock Breeding.....	15
IX.—Fruit Growing.....	
X.—Dairy Farming.....	
XI.—Farms for Sale.....	
XII.—Mines and Minerals.....	
XIII.—Land System—Free Grants and Homestead Exemptions...	
XIV.—Education.....	
XV.—Postal System, Money, Telegraphs, Newspapers, &c.....	33
XVI.—A Holiday Trip.....	36
XVII.—Sportsman, Angler and Artist.....	40
XVIII.—When and How to go to Canada.....	46
XIX.—Rates of Wages, &c.....	49
XX.—Provinces of the Dominion:—	
Ontario—Quebec—New Brunswick—Nova Scotia—	
Prince Edward Island—Manitoba—Keewatin and North	
West Territory—British Columbia—Eastern Townships.	51
XXI.—View of Canada as shown by figures.....	92

DOMINION OF CANADA.

INFORMATION

FOR

INTENDING EMIGRANTS.

CHAPTER I. INTRODUCTORY.

EMIGRATION FROM EUROPE.

THE continuous emigration from the old settled countries of Europe, principally from the United Kingdom and Germany, to new countries in different parts of the world, within the last half century, is one of the most remarkable facts of modern history, and has laid the foundations of great nations. Over two millions of souls emigrated from Great Britain alone in a little over ten years ; and yet it appears from the statistics, published by the Registrar General, that the natural increase of the population in England is very nearly a quarter of a million a year over the outflow from emigration. Even with this outflow, there is crowding in the labor markets, and a large amount of pauperism. Emigration relieves both, while it builds up prosperous communities in hitherto waste places of the world.

The figures published by the Imperial Board of Trade show that £21,438,218 stg. were remitted by emigrants from Great Britain to the friends left behind them from the year 1848 to 1878, and this principally in the form of prepaid passages. There is in this proof of a very striking kind of the prosperity of the emigrants and their desire that their friends should join them. The large sum above stated was the amount of remittances only so far as ascertained. There were other large amounts not ascertained. Of the amount above stated £21,251,697 stg. were from America.

These pages are intended to show reasons why a large portion of this emigrating movement should be directed to Canada ; to indicate the classes of persons who may advantageously emigrate ; and to furnish them with useful practical directions.

CHAPTER II.

MOTIVES TO EMIGRATE.

THE first question which a man who thinks of emigrating should ask himself, is "Why should I do so?" And it is probably the most important practical question of his life. It involves the breaking up of all the old ties and associations of his childhood, and beginning life afresh in a new country; where everything which surrounds him will seem new and strange to him at first, but with which he will in one year become familiar; and the general experience in Canada is that when an immigrant has lived a few years in the country he could not be induced to leave it.

It is, however, true that emigration has led to many cases of individual hardship; but these are the exception; and they always come from the unfitness of the persons who suffer it to emigrate at all.

Generally speaking, where a man is doing well at home, and sees his way to continue to do so, great caution should be used in advising him to emigrate; and it is a safe rule to let well alone. But a man who is doing well himself, and has a family, may generally find a better chance for educating and advantageously placing his family in life in Canada than in the crowded population at home.

Above all things, an emigrant should have good health, and be stout-hearted, prepared to do anything that comes to his hand, and to adapt himself to the circumstances of the new country in which his lot is placed. He may have many things to learn, and many to unlearn, and especially should he learn to follow the practices which the experience of the country to which he goes has proved to be wise, rather than attempt those of the old country which he has left.

The condition of success in Canada is hard work; and none should come who have not made up their minds to work. The idle and dissipated had better stay at home.

The Hon. J. H. Pope, the Minister of Agriculture in the Dominion Cabinet, stated, in a recent memorandum to the Secretary of State for the Colonies, in reply to questions on the subject of emigration, that—

"There are very many thousands of persons throughout the Dominion who came to this country as laborers, without any means, in fact almost in a state of pauperism, and tenant farmers

with very little means, who have attained a state of comparative independence, being proprietors of their own farms, and having laid by sufficient means for their declining years, while they have educated their children and settled them in conditions of ease and plenty.

"In fact, the inducements to immigrate to Canada are not simply good wages and good living among kindred people, under the same flag, in a naturally rich country, possessing a pleasant and healthy climate, but the confident prospect which the poorest may have of becoming a proprietor of the soil, earning competence for himself, and comfortably settling his children."

The statements in the preceding extracts can be testified to by thousands in Canada; but it is a fact to be borne in mind that the commercial and industrial depression which prevails as these lines are written (in June, 1879) has very greatly checked the labor market. It is, however, believed that this depression will last but for a short time. A great work commenced by Canada, which will in the near future greatly affect the labor market, is the building of the Canada Pacific Railway. The question of this work is, beyond doubt, not only Canadian, but it is Imperial, and the solution of it may settle important labour difficulties in Great Britain; and enable her to plant a large portion of her surplus population in conditions of prosperity under her own flag, and so strengthen the empire by the peopling of half a continent largely with her own children. Men who are now a burden will when thus transplanted become producers of cereals and live stock to feed the still crowded populations of cities they will have left behind.

CHAPTER III.

CLASSES WHO SHOULD EMIGRATE.

On this point the following concise and authoritative statement may be quoted from the memorandum of the Minister of Agriculture before referred to:—

"The labor market has been greatly affected for the last four years, by the commercial and industrial depression which has prevailed over the whole of this continent.

"The genuine agricultural laborers, however, who have come to Canada, have all found employment, and considerable numbers can yearly be absorbed.

"Mechanics, laborers in towns, and miners have felt with more severity than laborers in the country, the depression referred to, and from these classes have come the unemployed persons living in towns. But, even as respects these, the distress has not been of a nature to call for any general or regularly organized system of relief.

"Very large numbers of persons have crossed the frontier from the United States to escape the very severe distress which has prevailed there, and from these the class of persons known as "tramps" has chiefly arisen.

"Mechanics, laborers in towns, and miners should not be advised to come, especially in large numbers, while the present industrial depression lasts, unless upon definite information.

"Professional and literary men and clerks should not be advised to come, unless in pursuance of previous engagements.

"Considerable numbers of good domestic female servants may be yearly absorbed.

"The immigrants at present chiefly required in Canada are agriculturists, or the class of tenant farmers in the United Kingdom, who have sufficient capital to enable them to settle on farms. They may be advised to come with safety, and with the certainty of doing well. The same remark may apply to any persons, who, although not agriculturists, would be able to adapt themselves to agricultural pursuits, and who have sufficient means to enable them to take up farms."

CHAPTER IV.

POSITION AND EXTENT OF CANADA.

THE intending emigrant to Canada should have a clear conception of the general extent and position on the globe of the country which is to be his future home. It may therefore be stated that the Dominion of Canada comprises a vast territory of about 3,528,705 square miles. It occupies half of the continent of North America.

From East to West it stretches from the Atlantic to the Pacific Oceans; and its extreme southern point reaches a little below the forty-second parallel of latitude. It occupies a greater area than the United States of America. Very large portions of this vast territory are cultivable; and the other portions are rich in mineral and other kinds of wealth. The proportion of cultiv-

able land suited to the productions of the temperate zones to the uncultivable is greater in the Dominion than in the United States.

Its rivers and lakes form one of the chief physical features of the continent. Its rivers are among the largest and most remarkable in the world; and its fresh water lakes are altogether the largest and most remarkable in the world.

It possesses many thousands of square miles of the finest and richest forests of the continent; and many thousands of square miles of the most fertile prairie land.

It possesses the largest extent of land yet open for settlement, adapted to the growth of grasses and cereals, and other productions of the temperate climates, not only on the continent, but in the world.

It has fisheries of boundless extent, unequalled on the continent if not in the world, both on its Atlantic and Pacific coasts.

It has also coal fields of immense extent in the Provinces on both its coasts; and it is believed that altogether the largest coal deposits of the world lie under the surface of its rich and immense tracks of prairie land east of the Rocky Mountains.

It has gold, silver, copper, iron, lead and other mines of great richness; and almost every description of the most valuable building materials; also petroleum, salt, peat, &c.

The immense rivers and lakes of the Dominion furnish the grandest facilities of water communication. The sailing circle, from the mouth of the St. Lawrence to Europe, gives much the shortest distance across the Atlantic. The line across the continent to the Pacific is much the shortest for a railway; the conditions for its construction are the most favorable; and the passes through the Rocky Mountains are the easiest.

On the Pacific coast it has the same favorable commercial conditions, with the finest harbors.

The water system of the St. Lawrence and the great lakes constitutes one of the most marked features in the geographical formation of North America, and leads directly from the Atlantic to the North West of the Dominion. And from the head of Lake Superior, with the exception of a few interruptions, which can be easily overcome by canals, another system of lakes and rivers extends navigation across the continent to the foot of the Rocky Mountains, by means of which the products, in the future, of this immense territory, will be borne to the sea-board.

More than 5,000 miles of railway are already in operation within the Dominion, 1,100 more miles are in process of construction, and many more are projected, besides the Pacific Railway, which is to be built immediately, and the length of which will be 2,500 miles.

It has great variety of climates, from the Arctic to that of almost the most southern of the temperate zones, modified by the influence of the great lakes.

The climates of the settled portions of the Dominion and of the lands open for settlement are among the most pleasant and healthy in the world, and favorable to the highest development of human energy.

The Dominion of Canada must, therefore, from these facts, become, in the not distant future, the home of one of the most populous and powerful peoples of the earth.

As at present constituted, it is divided into seven Provinces, viz:—Nova Scotia, New Brunswick, Prince Edward Island, Quebec, Ontario, Manitoba and British Columbia, together with the vast unorganized North West Territory, out of which, in time, other Provinces will come to be formed.

Every Immigrant will have an inheritance in the great future of the Dominion, and help to build it up.

CHAPTER V.

GOVERNMENT AND SOCIAL POSITION.

THE emigrant to Canada should have an idea of the form of Government and social position he will find in his new home. Practically the former is the freest in the world. There is no hereditary aristocracy in Canada. The source of all power is the people, tempered and guided by the constitutional forms of the Mother Country, which have taken deep and kindly root in Canada.

As respects society it may be stated that it is less marked by the distinctions of caste than in the Mother Country; while there is at the same time a careful preservation of those traditions which give the general features to English society which are found the world over.

GOVERNMENT.

The Government, formed on the principle of the Responsibility of Ministers to Parliament, the same as the British Government, is one of the freest and best-ordered in the world. It is held in the very highest esteem by the people. The Franchise practically extends to every householder.

The seat of the Federal Dominion Government is at Ottawa.

The several Provinces have Lieutenant-Governors and systems of Responsible Local Government, formed on the model of that of the Dominion.

The Counties and Townships have also their Local Governments or Councils which regulate their local taxation for roads, schools and other municipal purposes.

RELIGION.

The utmost religious liberty everywhere prevails in the Dominion.

Immigrants coming to the Dominion from Europe, of every religious persuasion, will find there churches and abundant facilities for the practice of their faith.

EDUCATION.

Means of Education, from the highest to the lowest, everywhere abound in the Dominion. The poor and middle classes can send their children to free schools, where excellent education is given; and the road to the colleges and higher education is open and easy for all. In no country in the world is good education more generally diffused than in Canada. In many thousands of cases the children of immigrants who came to Canada without any means, in a state of poverty, very little removed from absolute pauperism, have received thorough education, and have the highest prizes which the country offers before them. They have thus attained a state of well-being which would have been impossible for them at home; and which affords the most striking possible contrast with the dismal prospect which the workhouse would have afforded for a large number of them.

CHAPTER VI.

THE ADMINISTRATION OF JUSTICE.

The criminal and civil laws of Canada are such as to afford the emigrant from the United Kingdom the same security as he enjoys at home. The criminal law is copied from the English system, but the arrangement of all details is such as to simplify, as much as possible, the administration of Justice.

The judges of the Canadian Courts are not elected by the people, but appointed by the Crown; and not for short terms, but for life.

A judge may, of course, resign at any time, or be removed for improper conduct; but resignations seldom occur and removals never. As in England, judges are chosen from among those who, by their ability, learning and long practice at the Bar have worked their way into the front ranks of the profession. The purity of the Canadian Bench is beyond question. Party politics and party feeling generally run high in the Dominion, but never in any way interfere with the administration of Justice. The moment a barrister accepts the honor offered him, and becomes one of Her Majesty's judges, he disappears from the political arena, separates himself most completely from his former political associates, and assiduously devotes all his time, ability and attention to the full, fair and impartial discharge of the high and responsible duties he is called upon to perform. The result is that the Canadians are justly proud of their Judiciary. It has their entire and unbounded confidence.

The highest court in the land is the Supreme Court of Canada. It is composed of a chief justice and five puisné judges, and has appellate jurisdiction within and throughout the Dominion, in criminal as well as civil cases, from every court. This is the only Dominion court, all others being provincial in their powers and character. The most important of the Provincial courts are the Court of Chancery, the Court of Queen's Bench, the Court of Common Pleas, and the Court of Error and Appeal. The lower Courts are the County Courts, the General Sessions and the Division Courts. In the chief towns and cities there are Stipendary Magistrates who hold court daily for the hearing of ordinary police cases. They also have jurisdiction in certain civil cases, such as the non-payment of wages. Aldermen of cities have magisterial powers *ex-officio*. In all parts of the country there are justices of the peace, holding their commissions from the Crown, who enquire into all such cases as may arise within their respective jurisdictions.

Courts of Assize and Nisi Prius, and of Oyer and Terminer and general gaol delivery are held from time to time in every county. The jury system prevails throughout the land.

The expenses of litigation in Canada are, as a rule, very much less than in England, on account of the greater simplicity of the system. Those who practise law in any of its branches must, in the first place, serve a term of years in a law office, and submit to an examination as to their educational attainments and professional knowledge. Though there are barristers, attorneys and solicitors, as a rule, all branches are united in the one person; that is to say, a solicitor may be, and generally is, a barrister as well. It is not considered unprofessional, as in England, for a

barrister to advertise himself: every Canadian newspaper contains barristers' "cards;" even the leading practitioners follow out the custom.

In every large town and city there is a regular organized police force, managed by a superintendent, and under the control of a Board of Police Commissioners. The cost of maintaining the force forms part of the annual municipal rate. In the country parts there is no regular police, that is, no body corresponding to the county police of England. There are a few peace officers, called "county constables," but they seldom have any criminal matters to attend to, except of the most trivial character, for the simple reason that the rural parts of the Dominion are comparatively free from crime. There is no more peaceful country under the sun; no more law-abiding, steady, industrious people than the agricultural population of Canada. The county gaol is often unoccupied by prisoners for months together, and "maiden assizes" are not at all uncommon. Contrary to the belief entertained by many persons, the Canadians do not carry dirk knives and revolvers any more than they do in England.

To sum up in a few words, Canada is blessed with a pure, honest, fearless judiciary; good, wholesome laws; an impartial administration of justice; every protection for life and property; and the Canadians, therefore, are a happy, prosperous and contented people.

CHAPTER VII.

THE CLIMATE OF CANADA.

THERE is no more important question for an intending emigrant than the nature of the climate of the country to which he proposes to go. The climate of Canada has been already incidentally spoken of as having great variety—from the Arctic to that of the most southern of the temperate zones. It is more misconceived abroad than any other fact pertaining to the country. Perfectly absurd ideas prevail respecting the rigours of Canadian winters. It is true the winters are decided, and snow, in many parts, covers the ground to the depth of two or three feet; but there are great advantages in this—the snow is perfectly dry and packs under foot, making the best roads, and forming a warm covering for the earth. The dry winter atmosphere is bracing and pleasant. The sun shines brightly by day, and the moon and stars by night,

during by far the greatest part of the time. And, besides being pleasant, there is no healthier climate under the sun. There are no endemic diseases in Canada. The sensation of cold is far more unpleasant during the damp days (such as mark the winters in England) than when the winter regularly sets in.

The summers, like the winters, are also of decided character, being, in the main, warm and bright; and fruits and vegetables which cannot be ripened in the open air in England, will here ripen to perfection. And the grand fact is that they are much more favourable for the horticulturist and the agriculturist than those of England, with the single exception of length of time in which out-door work can be done.

Canada has the latitudes of France, Prussia, Austria, the British Islands, Russia and Sweden and Norway; and as many varieties of climates as have these countries.

The intending emigrant in going from the central counties of England, Denmark, northern Prussia or from the south of Sweden to Central Illinois, Missouri or Indiana, must go fourteen degrees, or nearly one thousand miles due south, and make the same change in climate as he would were he to migrate to Palestine, Independent Tartary or Persia—that is, must go from a climate of comparatively cool summers with a humid atmosphere to one of intense heat and severe droughts. Those who migrate from the north of England, from Scotland, Norway or Sweden, to Kansas, Central Missouri or Southern Illinois, must undergo a still greater change of agriculture, for they give up, as their staples, the grains, pastures and meadows, with their accompanying herds and flocks.

The summer temperatures of England are from 60° to 62° ; those of Central Illinois, Missouri and Kansas, 75° to 78° . London (the summer months, from July to August) has 61° ; Liverpool $57^{\circ} 6'$; Edinburgh $57^{\circ} 1'$; Dublin 60° ; the Central counties of England 62° ; the Northern Provinces of Prussia 62° ; the Central Provinces of Prussia 63° ; Berlin $64^{\circ} 5'$; Denmark (Central) $62^{\circ} 7'$; but the Central part of Illinois 75° ; Kansas and Missouri higher still, 77° to 78° .

These latter temperatures are 15° to 18° higher than those of England and the Northern Provinces of Prussia, and at least 10° to 15° higher than the best climates for the grains and grasses.

But high temperatures and a burning sun are not the only enemies with which the emigrant, going so far south, has to contend. The want of rain is another and even more grievous defect in the climate in those parts of the United States; for high summer temperatures with heavy rains are conditions of climate favouring tropical plants; but high temperatures without rain, are

destructive of all vegetation ; and high temperatures, with an insufficiency of rain, give only imperfect crops. Those parts of the States just named very much resemble Palestine, Arabia, Persia, Syria and Independent Tartary. Both regions are similarly situated on the continents—both are in the zones of the summer droughts, high temperatures, arid winds and rapid evaporation, but with this important feature in favour of the Asiatic countries—they lie nearer the ocean and Mediterranean Sea, which render the atmosphere more humid, and modify the droughts.

North of these desert and semi-desert areas, both in the old and new worlds, lie the zones of summer rains and moderate summer temperatures, two elements of climate most favourable for the grains and grasses. In Europe, the capacity of the central and higher latitudes for cereals, coarser grains, pastures and meadows, has been fully tested and acknowledged. On this continent similar climates are producing similar effects. Throughout Canada, from the Atlantic to Lake Superior, these great staples of the central and higher portions of the temperate zones produce better, surer and more abundant crops than in any of the States to the southwest of the Lakes. Along the Valleys of the Red, Assiniboine, Saskatchewan and Mackenzie Rivers, for more than seven hundred miles north of the United States' boundary, wheat has been grown, yielding a far more abundant return than the best portion of the Republics ; and where wheat ripens in such positions we have the best climates for the coarser grains, grasses and root crops. Barley, the grasses, and many root crops grow twelve hundred miles north of the boundary. These plants are the fruits of the summer rains and summer temperatures of from 58° to 70° of Fahrenheit. The significance of the facts here stated—the high latitudes to which these plants go—is the proof they give of the immense agricultural areas in the interior of the continent north of the 49th parallel.

South of these fertile regions and west of the 100th meridian, these plants either fail entirely or succeed but imperfectly, from climatic defects—chiefly from a deficiency or entire absence of rain during the agricultural months, accompanied with high summer temperatures ; and over the States lying immediately east of these desert areas the summer heat is too great for the profitable growth of these products, and the rain still deficient, or rendered insufficient through high temperatures and rapid evaporation.

The most southern part of Canada is on the same parallel as Rome in Italy, Corsica in the Mediterranean and the northern part of Spain,—farther south than France, Lombardy, Venice or Genoa. The northern shores of Lake Huron are in the latitude of Central France, and vast territories not yet surveyed, embracing many

million acres of land of good quality lie south of the parallel of the northern shores of Lake Huron, where the climates are favourable for all the great staples of the temperate zones.

It may be interesting to look at the climate of Canada in the light of its productions, and, with this view, some quotations will be made from Mr. Marshall's recent (1871) work on Canada, because his opinions are those of a well-informed stranger, and one who tells us that he entered Canada without prepossessions in its favour, meaning, as we infer, that he was prepossessed unfavourably towards the country, having come into it through the States, and, like most Englishmen, received his first impressions of Canada, both before he left England and afterwards, from Americans.

Mr. Marshall visited an agricultural show which represented only the country around London, Ontario. Of this he says:—

"The fine display of produce surprised me. Wheat, barley, oats and other cereals were well represented. Maize shows excellent samples. The roots and vegetables were surprisingly fine. A field pumpkin which I measured was four feet ten inches in circumference; a squash eight feet three inches, weighing 150 lbs., (We have seen them 350 lbs., open air growth. No better illustration could be given of a summer semi-tropical in heat and of great duration, than the maturing of the pumpkins and squash of such great size.) The potatoes were the finest I have ever seen. There were a great number of varieties; citrons, melons, marrows and tomatoes, were also exceptionally large and fine.

"It is difficult to speak of the return of grain commonly yielded to the farmer in this country. I have seen some fields that yielded forty bushels to the acre—(The Government pamphlet reports fifty bushels on new lands), others not far distant giving but fifteen. No doubt, in a new country, where many turn farmers not before acquainted with it, the average yield gives a poor idea of the capabilities of the soil. I remarked one morning a particularly poor looking crop of Indian corn. On the Sunday, in the same country, I walked through a field of forty acres of this splendid plant, growing to a height of eighteen to twenty feet, and yielding thirty-seven tons to the acre as food for cattle. I plucked an ear nearly ripe, eighteen inches long, and counted six hundred grains on it" (p. 79), usually there are two ears, sometimes three on one stock or stem—not of course all so large.

"Upwards of a hundred varieties of apples were exhibited. For cooking there were the Cayuga, Red Streak, or twenty-ounce Pippin, an imposing fruit measuring sometimes over fifteen inches; the Alexander, of glorious crimson; the red Astrachan or Snow apples, so named from the whiteness of the pulp; the Gravenstein, Baldwin, and many others. For dessert, there were the Fameuse

the streaked St. Lawrence, the Spitzenberg, the Seek-no-farther, of gold and red," (p. 76). "The Canadian apple is the standard of excellence," (p. 5).

"Even in California, the orchard of the Union, the superiority of the Canadian apple was, to my surprise, confessed. Vast quantities are exported to England, and sold as American, their nationality being lost" (p. 77.) "Fruit and vegetables grow generously. Melons and tomatoes grow equally with the potatoe, pea, turnip, and the rest of the vegetables known in England. The grape thrives well. Raspberries, strawberries, blackberries, or brambles, cranberries, cherries, and other fruits, currants, plums, grapes, apples, &c., grow wild. Orchards everywhere thrive."

These facts suggest some practical considerations worthy of the consideration of emigrants.

CHAPTER VIII:

FARMING AND STOCK BREEDING IN CANADA.

CANADA seems specially fitted to supply the United Kingdom with the farm produce, which it is necessary for her to import. The old provinces can supply her with horses and beef and mutton, and Manitoba and the North West with wheat.

The general healthiness of the climate and the favourable conditions for feeding all kinds of stock which prevail in the Provinces of Ontario, Quebec, New Brunswick, and P. E. Island, together with the immense areas available, leave no room to doubt that Canada is capable of supplying all the needs of the Mother Country as respects supplies of horses, cattle and sheep.

And the vast areas in Manitoba and the North West now being brought into play will furnish her, as well as other importing countries, an almost illimitable supply of cereal.

The great strength as well as the great wealth of the Dominion of Canada rests in her soil: her minerals are of undoubted value, her fisheries are the finest in the world, her manufactures are not insignificant and must continue to increase,—yet, it is not on these she must chiefly rely for future greatness. She has one attraction greater than all others combined, and that attraction is her broad forest lands and her rich, rolling prairies. Agriculture is her strength.

Fortunately there can be no doubt as to the result. Though a young and new country, as compared with others, she is already

known the civilized world over as a great meat and corn-producing country. Her staples have a character and a standing abroad such as her people have no reason to be ashamed of.

There is no more independent man in the world than the Canadian farmer; he may not have so much wealth as some English farmers, he may not be in a position to cultivate his land to such a degree of perfection, and he may not have many of the social advantages, yet, as a rule, he is a happier, a more contented, and a more independent man. His land is his own absolutely. His taxes are light; his family are well to do; he is the equal in every respect, (not unfrequently the superior) of the most successful persons in the towns near by.

In a new country like Canada it would be absurd generally to look for scientific farming as carried on in England. As land is abundant and labour scarce, a great breadth of land is cultivated, but in what high English farmers would consider a rough sort of way. This is the rule, but there are exceptions. In the Province of Ontario there is a School of Agriculture, connected with a model farm, at which scientific and practical agriculture is taught. There are also model farms in the Province of Quebec. The result is a marked improvement of late years in the style of farming in some parts of the country. But there is much to be done yet in this direction. In too many instances the land is merely scratched over; and it speaks well for the character of the soil and climate that under such adverse circumstances such excellent fields are obtained.

There is no country in the world that offers more attractions to the English farmer than Canada. The climate is, on the whole, the same as he has been accustomed to, the characteristics of the soil are similar, the crops produced are such as he has been in the habit of growing. With a few exceptions, the style of farmwork varies but little; and in laws, language and customs he would be at home. He would find very little that was new and strange to him. In addition to all this Canada's nearness to the English market, and her direct connection therewith, constitute important elements in the success of the Canadian farmer. In the far west of the United States, where the chief crop is Indian corn, the cost of transportation to the sea-coast is so great that many farmers have a hard struggle to live, and frequently find it cheaper to use their corn as fuel than to carry it to market. Canada is only nine days' sail from Liverpool, and the means of communication are perfect. Not only do Canadian wheat, flour, butter and cheese find their way to England in large quantities, but even such perishable produce as apples are transported across the sea, and generally pay the shipper a good profit on the venture. Then,

again, while the Australian meats find their way to England in tins, Canadian cattle, sheep, and horses are carried over alive, with as much ease and safety as are those of Ireland. It is also found that dead meat can be carried to the United Kingdom in compartments specially fitted on steamships, not only without deterioration, but with actual improvement.

As already pointed out, farm work in Canada does not differ widely from that of England. All that is new or strange may be overcome in a few months. The seasons are similar, though, owing to the snow and frost, no work is done upon the land during the winter. At the same time it is anything but an idle time with the farmer and his men—the live stock have to be looked after, new land cleared, and grain carried to market.

The field crops that are produced are wheat, oats, barley, rye, Indian corn, potatoes, turnips, mangel wurzel, peas, buckwheat, flax, &c. The garden fruits and vegetables are similar to those of England, except that tomatoes, melons, grapes, etc., will ripen in the open air in Canada. Thus the new-comer will find the crops nearly the same as he has been accustomed to cultivate. In the main, the work is similar. Machinery is largely in use; in fact, owing to the circumstance that the work is pressed into a shorter time than in England, and, owing also to the scarcity of labor, more machinery is used in proportion to the population.

That farming pays in Canada is clear from the fact that more persons are engaged in it than in any other branch of industry. In 1871, out of 463,424 persons enumerated in the Province of Ontario, as engaged in industries, 228,708 belonged to the farming class; in Quebec there were 160,041, out of a total of 341,291; in New Brunswick 40,394, out of a total of 86,488; and in Nova Scotia 49,769, out of 118,645. In fact, nearly one-half of the people are engaged in agriculture.

A summer's tour through Canada will convince any reasonable man that farming must pay. The well-cleared fields, the herds of sleek cattle, the great barns and stabling, the substantial farm-houses, and the thrifty appearance of the people, all furnish abundant evidence of contentment and prosperity. Ask the farmer his experience, and, in nine cases out of ten, he will tell you that he came from the "Old Country" fifteen, twenty or thirty years before, with an empty pocket, a strong arm and a willing heart. He will tell you also that, in the early days of his settlement, he had to struggle and toil, and labor, hard and long; that he had to face many a difficulty and endure much hardship; but he is hale and hearty now, enjoying, in ease and comfort, the well-earned reward of perseverance and industry. Others will again tell you that they brought out a little money

with them, and that, through a proper use of that little, they now find themselves independent of the world. Of course there are those who fail at farming in Canada, but they are few and far between, and an inquiry into such cases would shew that, in nearly every instance, the failure was due to the unfitness of the individual himself for the pursuit and not to the country.

As set forth in another place, the very best class to settle in Canada are Old Country tenant farmers, with a small capital. There is many a farmer paying as much each year in rent and taxes in England as would purchase him the freehold of a good farm in Canada. Any man of experience having five hundred pounds sterling, or upwards, in cash, may safely try his fortune in the Dominion. Good, well-cleared farms, with all necessary buildings and improvements, may be purchased in any of the older countries. "Why is it," the reader naturally asks, "that these farms are to be purchased if farming pays so well?" The explanation is simple. In a great many instances—too many, in fact—the farmer brings his sons up as lawyers, doctors or merchants. They settle down in the towns or cities to the practice of these professions, and there they remain. In course of time the farmer dies or becomes too old for active duty, and thus the homestead, there being none of the family to work it, is either sold or rented. Though, as a rule, the farmer is the owner of his own land, farms may be leased at a reasonable rental. Sometimes a farm is worked on shares, one-half given to the owner and the other half to the tenant.

In addition to grain-growing, pastoral farming is now largely carried on in Canada. In many parts the land is specially suited for grazing purposes. Formerly there were only the local and American markets open to the Canadian stock breeder. This is no longer the case. Hundreds of cattle and large quantities of dead meat are shipped to England each year. This great trade is only in its infancy. It promises to assume large proportions in the near future, to the mutual benefit of Canada and the Mother Country.

In comparing Canada's present standing as a stock-breeding country with her standing twenty years ago, we find that her progress in this direction has been most remarkable. It is barely twenty years since the first herd of English thorough-bred short horns was brought to Canada. Previous to that time very little attention had been paid to stock raising. In many instances cattle were allowed to look after themselves. They roamed the forests in perfect freedom, and come home to the "clearing" when the cold weather set in. True, the oxen were worked at certain seasons, and did good service in clearing up the land; but

for market purposes cattle added but little to the settler's income. It was the opinion of many persons in those days that stock breeding, as carried on in parts of England, could never be successfully carried on in Canada. The experience of the last few years shows that these persons were entirely in error. Though the number of farmers who have ventured on the experiment of stock breeding on a large scale is not great, the test has been most thorough and complete in both Ontario and Quebec, and the result satisfactory.

Mr. Cochrane's farm in Quebec, and Bow Park in Ontario, furnish prominent examples of what may be done in this direction. The collection of cattle at the great stock-breeding farms in Canada is among the most valuable in the world. It is made up of the very best blood of the bovine aristocracy of England. Not many years ago there were no pure herds in the country; except the small species of cows in the French parts of Lower Canada, which were brought in chiefly from Bretagne, and possess the milking characteristics of the Alderneys. To-day, there are in Canada many herds with a pure and unbroken record extending back many generations.

It is a fact established beyond all doubt that the famous short horns of England not only do well in Canada, but that the character of the stock actually improves in the new country. In not a few instances the off-spring of stock taken out from England has been carried over to the Mother Country and sold at high prices. At a recent sale in England a three-year old bull which brought the extraordinary price of three thousand six hundred guineas was of Canadian blood. The herds to be seen at the Provincial and other exhibitions are the wonder and admiration of experienced English stockmasters.

Short horns are generally preferred, yet there are herds of Devons, Alderneys, Galloways and other breeds.

The best varieties of English sheep and pigs also do well in Canada.

Notwithstanding the high prices paid for aristocratic blood, ordinary cattle are much cheaper than in England. This is owing to the fact that hitherto the Canadian stockmaster had open to him only the local and the United States markets. This is no longer the case. A short time ago the experiment of sending live stock and dead meat to England was entered upon, and the result was so successful that there are now many persons, firms and several lines of steamships engaged in the trade. The cattle are landed in England none the worse for the voyage, and sell readily at good prices; and the dead meat is rated at the highest standard. The trade is, however, still in its infancy. The result will

be a considerable increase in the price of live stock in Canada before long. This will incline many farmers who have not hitherto done so to enter largely into stock raising. Where the land is suitable they cannot do better. For English farmers with capital there is an excellent opening. It is as safe an investment as they could possibly make. The foot and mouth disease is unknown in the country. The cattle thrive well, and are made ready for market at a cost trifling as compared with the cost in England.

It may also be mentioned that Canadian horses are now shipped to England in considerable numbers and at a very handsome profit to the dealer. The ordinary Canadian horse is a hardy, tractive, strong, healthy animal, and answers excellently for cabs, omnibuses, tram cars, and other such work. There are also horses of high blood in Canada.

CHAPTER IX.

FRUIT GROWING.

A **VERY** important branch of farming in certain parts of Canada is fruit growing. It is very generally thought by persons not familiar with the country that, owing to the severity of the winter, fruits cannot be successfully cultivated except to a very limited extent, and at a great cost. There is no foundation in fact for such an impression. On the contrary, in the production of such kinds of fruit as belong to the temperate zone, Canada cannot well be surpassed. The character of the soil in many districts is suitable for the apple, plum, pear, &c., while in the hot summer sun the peach and grape reach maturity and develop fruit having many points of excellence. A hardy kind of grape, which has been successfully crossed into the European varieties, grows wild in the woods; the strawberry, raspberry, and gooseberry and other small fruits grow in profusion in all the older provinces. The red plum is also indigenous to the soil.

In specially favoured regions, such as the Niagara district, peach orchards many acres in extent are to be seen. The peach crop is not always a successful one; generally speaking, there is a good yield every second year. Though it is anything but probable that Canada will ever rival European countries in the character of her wine, nevertheless her vineyards are increasing in number year by year, and good, wholesome wines are being made. Experience

is all that is necessary to develop this into an important industry.

The best evidence we could have of Canada's character as a fruit growing country is furnished in her success in this direction at the Centennial Exhibition. The display made by the Province of Ontario was the finest at the show, surpassing all competition, which included nearly every State in the American Union, and astonishing persons who had looked upon Canada as a country of perpetual snow. The Americans honestly admitted themselves fairly beaten by their northern neighbours. The following extract from an article in the *New York Graphic* shows the prominence Canada gained in this respect. Coming from an American source, it carries with it special weight:—

"Probably the finest show of various fruits is made by the Fruit Growers' Association of Ontario, Canada, a society which has done much to promote and encourage the cultivation of fruits in North America. It was formed a number of years ago with this object in view, and has been extremely successful in all its undertakings. The membership includes more than 3,000 persons. Three meetings are held every year, at which the members interchange their views upon the various subjects connected with fruit-growing. These meetings are held in different parts of the Province of Ontario, in order to be more convenient for members to attend, and once a year new and promising hybrids, trees, and plants are given to members, who are expected to cultivate them carefully, and report the results of their trial. A number of the members of this Society have achieved a reputation as careful hybridists, and the names of Arnold, Dempsey, Mills, and Saunders are held in deserved estimation throughout the pomological world. The best results of their labours are generously placed at the disposal of the Association, and new and promising varieties of fruits are soon widely and inexpensively scattered abroad and thoroughly tested.

"The society also publishes an annual report, embodying its transactions, and preserving such useful information with regard to fruit culture as they may be able to gather, and gives a copy of it to each of its members. In this manner many choice fruits and much useful information are disseminated among the members, hence it is that the fruits produced by them are generally noted for superiority and excellence.

"At the quarter centennial of the American Pomological Society in Boston, the Ontario Fruit Growers' Association carried away not only silver medals for the best collections of plums, but also prizes for the peaches, grapes, and pears displayed in competition with the most noted fruit growers of the United States. Many people suppose that the climate of Canada is a perpetual

winter, but nothing could be further from the truth. The climate is generally the same as New England or Northern and Central New York; and Ontario, from whence these fruits come, is the most fertile part of the whole Dominion.

"The present display occupies the entire north side of the Pomological Building, and is composed of 1,000 plates of apples, 200 plates of plums, 200 plates of pears, 90 plates of crab-apples, and 25 varieties of peaches, 153 plates of grapes, and a variety of nuts, including walnuts, butternuts, hickory nuts, hazel nuts, and peanuts. The same Association, in July last, made a display of gooseberries, currants, raspberries and cherries, some of the first-named articles being an inch in length. They were highly commended by the judges, as no prize was competed for.

"One of the finest specimens of fruit exhibited is the Alexander, a beautiful clear red and white apple of large size. Another is the Kent Filbasket, a large obtuse pyramid, beautifully mottled with red on a yellow ground. The Virginia Sweet is a showy red apple, rather oblong in shape, and of large size. The Irish Peach Apple is a great beauty, as well as of fine quality, while the Duchess of Edinburgh is a very hardy apple, mottle red in colour, and of handsome appearance. It is good either for the kitchen or table, and is highly esteemed by connoisseurs. Sherwood's Favourite is a fine yellow and red, and Swayzie Pomme Grise is a hardy cinnamon russet of beautiful colour. There are remarkably fine specimens of the Snow Apple, which is a bright red outside and a pure white inside, and takes its name from the latter characteristic. Spur's Sweeting is a fine showy apple of rosy waxen colour, and the Chenango Strawberry is a beautiful red apple of conical shape. Many other specimens are shown, among which are thirty-one varieties of new French apples exhibited by James Dougall, of Windsor. All the foregoing specimens named are raised in large quantities in Canada, and thousands of barrels are annually exported to Great Britain and the United States. As a sample of the manner in which they will keep, a plate is shown of the growth of 1875, in which the apples are well preserved and of good appearance.

"One of the finest specimens of pears exhibited is the Flemish Beauty, which grows without a blemish, and is hardy as an oak; Sickles, Bartletts, Negleys, and the Belle Lucrative are also displayed in great quantities, of a quality that compare favourably with any others on exhibition.

"The plums displayed are remarkably fine, the most noticeable ones being the Columbia, Pond's Seedlings, Damsons, Gages, and the Lombard. The latter is a beautiful dark crimson, and is very prolific. Hundreds of bushels of these plums are sent every year

to the United States, where they find a ready sale and are greatly esteemed.

"In peaches the Lord Palmerston is doubtless the largest shown. One of these was displayed which was over eleven inches in circumference, the qualities being a firm, white flesh with free stone. The Early Crawfords and other varieties are also very fine.

"In grapes, the Tokalon and many varieties of Rogers' hybrids are the most noticeable. The Autuchon, a beautiful white grape, and the Lindley, light-coloured, and resembling the Catawba, attract much attention. Miller's Burgundy, a grape which grows very close and thick, and the Delaware, a delicious variety, are also favourably known to fruit cultivators.

"These are but few of the many specimens displayed. It would be impossible, in a notice like this, to do justice to the entire collection. As a representative collection intended to exhibit the fruit from that section of the country between the Niagara river and Lake Huron, and from the Ottawa to the Detroit rivers it could not be surpassed. The arrangement and classification reflect much credit upon the officers of the Association, and especially upon the gentlemen who are in charge. It must be doubly gratifying to them that this very beautiful display of the fruits of the Province attracts such universal attention. Their exhibit has contributed much to the beauty and attractiveness of the pomological department, and they are to be congratulated upon the fruit producing capabilities of their soil and climate, and the taste and enterprise of their fruit-growers."

With such facts as are contained in the above extract, let it not hereafter be said that Canada is a wilderness of ice and snow.

CHAPTER X.

DAIRY FARMING, ETC.

WITHIN the last few years great progress has been made in Canada in the way of dairy farming. Not long since the cheese manufactured in the country was not sufficient to supply the local demand; whereas there are now cheese factories by the score in the Provinces of Ontario and Quebec.

"American" cheese, as it is all called, is well known in England; but very few people are aware of the fact that the best "American" cheese is made in Canada. In the window of a cheesemong-

er's shop in Ludgate Hill, London, Canadian Stilton and Canadian Cheddar are constantly exhibited, and so well do they suit the palates of Englishmen that many persons prefer them to the English articles after which they are named. The Canadian cheese is, in fact, the very best made on the American continent. The cattle are of the very best breeds, the pasture is excellent, and the work is cleanly and carefully done.

Great benefits have flowed to the farming classes through the opening of the cheese factories. Formerly the milk was in many instances given to the pigs, but now there is a market at the cheese factory for every quart of it. Though great strides have been made during the last ten or fifteen years in cheese making, the industry is still in its infancy. Judging the future by the past this will shortly assume immense proportions and become one of Canada's great sources of wealth.

Butter making is also largely carried on in the Dominion. Millions of pounds are exported each year. The quality is excellent.

Near the large towns, market gardening is profitably carried on. A comparatively small capital is necessary, and with industry and perseverance, backed up by experience, a good income is assured. Like every thing else, however, none but those who have had experience in Canada should attempt it.

Poultry raising is only beginning to be much looked after in Canada, probably because poultry is so cheap. In course of time, however, as the market extends, and as means are found of exporting fowls, geese and turkeys to England, henneries on a large scale will be established. The exportation has already begun.

Bee-keeping is profitably carried on in many parts of the Dominion.

These few points shew that what may be termed the smaller branches of farming are not neglected by the Canadian husbandman. Still much remains to be done in this respect.

CHAPTER XI.

FARMS FOR SALE.

IMPROVED farms may be purchased in almost all parts of the Dominion. By the term "improved farms" is meant farms either partially or entirely cleared of woods and under cultivation. As farming is the main industry of the country it may naturally be

asked why it is that farms are to be purchased? As explained in another place, it is customary with many Canadian farmers to bring their sons up to professions or to put them in trade. The result is that, when old age comes upon the father of the family, the land is either sold or leased. Or it may be that the old man dies on the homestead, and, in order that the property may be divided between the heirs, it must be sold. Then again, during the last few years, that is since the "Manitoba fever" set in, many farmers in the older parts of the Dominion have sold off, or are desirous of selling off in order to settle in Manitoba.

It may be further stated that a reason why improved farms in Canada can be obtained on such moderate terms, is owing to the fact that there is a constant tendency along the whole of the north eastern face of the American continent, on the part of a class of settlers, to undertake pioneer life, or to commence anew, in order as well to obtain a larger field than the old homestead, for the sake of the settlement of their sons, and for the love of adventure and of the life with which they started for its own sake. It thus happens that conditions are afforded especially favourable for the tenant farmer from the United Kingdom, with a little capital, to acquire a farm, on which his previous habits of life have adapted him to work; while the older settler of the country has more special adaptation for the pioneer life than the newly-arrived immigrant. But newly-arrived immigrants of intelligence very soon become acquainted with what may be called the specialties of the country.

CHAPTER XII.

MINES AND MINERALS.

THOUGH the main sources of the wealth of Canada lie in her fertile fields and grand forests, her mines and minerals must, in course of time, attract more attention than they have hitherto done, and yield a good return for the capital and labour expended on them. As the Canadians devote their attention chiefly to the more common pursuits of farming and ordinary trade, comparatively little has been done towards developing the mineral resources of the country; yet the results abundantly prove that there are vast and valuable deposits of minerals in various parts of the Dominion. A mere enumeration of the minerals that have been discovered up to this time will enable the reader to form

something like a correct idea of the position of Canada in this respect. There have been found gold, silver, copper, iron, galena, plumbago, antimony, manganese, gypsum, granites, marbles, lithographic stone, slates, burrstones, hones, limestones, sandstones, and brickelays, various kinds of precious stones, vast deposits of phosphate of lime, of salt, and immense quantities of petroleum and peat. These minerals are not confined to any one province. In almost every part of the country from the Atlantic to the Pacific some of them are to be found.

Gold mines are worked, though only in a small way, in Nova Scotia, Ontario and Quebec. It is principally quartz mining. The gold fields of British Columbia are famous the world over for their size and their extraordinary yields. They extend over an area of 105,000 square miles; that is, twice the area of England, and yield annually about £400,000 worth of the precious metal. In the early days of gold mining in British Columbia fortunes were sometimes made in a few weeks. In 1863 Dillion's claim yielded in one day 162 pounds weight of gold. Other claims frequently yielded from ten to fifty pounds of gold in twenty-four hours. But, while those times have passed, as regards the discoveries so far made, the average earnings of miners is about seven hundred dollars a year, which is a high figure. Explorations connected with the Geological Survey in 1876, showed the whole country to be auriferous. Gold mining is now one of the chief industries of the Pacific province; and the probability is that great wealth will yet be developed.

Silver has been discovered in several parts of the Dominion. The richest deposits, however, appear to be on the north shore of Lake Superior. In 1874, one mine—Silver Islet—yielded nearly 500 tons of ore, worth about £100,000 sterling. As it is only a few years since the silver was discovered, the industry is still in its infancy. Want of capital has delayed the work of development. Still several shafts have been sunk, and it is confidently expected that the Thunder Bay district will shortly be sending out great wealth of rich ore annually.

Iron has been discovered in several provinces; and in many cases the deposits are of great value. The iron mines of Nova Scotia have been successfully worked for several years. In Ontario and Quebec the quantity raised is increasing annually. The difficulty in these provinces is that there is no coal for smelting purposes; but as wood is abundant this difficulty is likely to be overcome—in fact, has already been overcome—by smelting the ore with charcoal. One or two companies are now engaged in this industry, and the iron and steel turned out by them are of the very best quality. There is a great abundance of iron ore in

British Columbia, but it is not yet being worked except in a very small way.

Copper has been found in many parts of Canada. The amount exported in 1874 from Ontario and Quebec alone was 3,142 tons; in addition to which a considerable quantity must have entered into home consumption. As with other branches of mining in Canada more capital is required to properly carry on the work. The ore is noted for its purity.

Although in the region of the great lakes there is no coal in other parts of Canada there are immense deposits of this most valuable mineral. In Nova Scotia there are some thirty mines in active operation; and the aggregate output averages about one million tons per annum. The yield might be increased to any extent; but the output must, of course, be regulated by the demand. With a wider market, which will come in time, the yield might be increased an hundred fold. Many of the transatlantic steamers take in coal at Halifax and other Nova Scotia ports.

In the heart of the continent, in that vast region known as "the Great North-West Territories," there are immense deposits of coal, supposed to be the most extensive in the world. It crops out on the surface in many places over an area of country hundreds of square miles in extent. This coal deposit is one of the most important peculiarities of that great district. The prairies of Canada, in fact, contain coal enough to supply the whole world for ages to come. The Canada Pacific Railway, now in course of construction, will run across this coal country. Then again, on the other side of the Rocky Mountains, the coal fields of British Columbia are practically inexhaustible. The Comox field alone is estimated at about 300 square miles in extent. The output in 1874 was over 80,000 tons: this can be increased a thousand-fold if necessary. British Columbia seems destined to become the greatest coal-producing country on the Pacific side of the American continent. In some places the seams are so favourably situated that the coal can be loaded on shipboard direct from the mine. The mineral wealth of this growing province is beyond estimate, and coal forms no unimportant part of the whole.

Petroleum is found in several parts of the Dominion, but chiefly in the Province of Ontario. The total quantity manufactured, that is to say, purified after being taken from the earth, varies according to the state of the market. In 1873 it amounted to 14,602,087 gallons. In several instances flowing wells have been "struck," but, as a rule, the oil is pumped from the wells by machinery. The Canadian oil, when properly rectified, is of excellent quality, and stands well in foreign markets.

While boring for oil near the town of Goderich, in the Province

of Ontario, a few years ago, salt springs were "struck" at a depth of about twelve hundred feet. This important discovery induced others to sink wells in the neighbourhood, and the ultimate result was that the salt springs were found to extend into some of the adjoining counties. The work was pushed forward and grew rapidly, so that at the present time there are several hundred wells in active operation yielding thousands of tons of salt each year. In Nova Scotia, also, salt has been discovered.

The marble found on the Upper Ottawa is of a most superior quality. It is beautifully veined, and takes a brilliant polish. The quarries are vast in extent, but only a comparatively small quantity has been taken out up to this time.

In nearly every Province there are immense deposits of peat. Owing, however, to the abundance of wood in country places, very little use has been made of the peat so far. When wood becomes scarce and dear an excellent substitute will be found in the peat. It has been tested on the Grand Trunk Railway, and has been found to answer well in place of coal.

From what we have said above it will be seen that Canada is not badly off in the way of minerals. She is in possession of everything of this nature that any people can desire, or that is necessary to the progress of any nation. Comparatively little, however, has been done hitherto towards developing the mineral resources of the country. The people have devoted—and properly so, too—their time and money to agriculture, trade and commerce, and have not entered largely into the more speculative business of mining. Sufficient, however, has been done to show that Canada possesses incalculable wealth in her minerals; and this wealth will, we doubt not, be turned to good account in course of time. Capital and enterprise are all that are required.

CHAPTER XIII.

THE LAND SYSTEM—FREE GRANTS AND HOMESTEAD EXEMPTIONS.

THOUGH free grants of land are practically to be procured in every part of the Dominion, the system is not the same in all the provinces. For the information of the reader we subjoin an outline of the system in each province.

It is advisable, notwithstanding the great advantage of settling upon land, that the immigrant should have some experience before

doing so, or take accurate information respecting the step he is contemplating.

NOVA SCOTIA.—In this province there are about 10,000,000 acres, nearly one-fifth part of which consists of lakes and rivers. Of the whole extent, about 5,000,000 acres are fit for cultivation. Wild lands may be obtained from the Government for about 1s. 9d. sterling per acre. Here, as in all the other provinces, the purchase of land carries with it the ownership of all minerals found therein.

NEW BRUNSWICK.—This province contains 17,347,360 acres, of which 13,000,000 are fit for cultivation, with only some 730,000 under actual improvement. The Lieutenant Governor in Council may cause eligible portions of Crown lands to be selected for settlement. One hundred acres of land so surveyed may be located to immigrants or other male settlers, of the age of eighteen years and upwards, who do not own other land in the province, upon the following terms and conditions, viz.:—

“On payment of twenty dollars cash in advance, to aid in the construction of roads and bridges in the vicinity of his location, or upon his performing labour on such roads and bridges to the extent of ten dollars per year for three years, as may be directed by the Governor in Council or officer appointed to superintend the same.

“He shall commence improving his location immediately after obtaining permission to occupy the same, and shall, within two years, thereafter satisfy the Governor in Council that he has built a house thereon of not less dimensions than sixteen by twenty feet, and is residing thereon, and that he has cleared at least two acres of said land.

“He shall continue to reside upon said land for three consecutive years, at the expiration of which time, provided he shall have cleared and cultivated at least ten acres of said land, and performed the labour in the manner hereinbefore prescribed, or paid twenty dollars in advance, a grant shall issue to him of the one hundred acres so located as aforesaid; provided always that, should the means of such person locating as aforesaid be limited, he may from time to time, and for reasonable periods, absent himself from said land in order to procure the means of support for himself and family without forfeiting his claim to constant residence.”

Under this system several colonies of English and Scotch emigrants have been settled in New Brunswick within the past few years.

PRINCE EDWARD ISLAND.—The land in this rich and prosperous Province is nearly all taken up and under cultivation.

QUEBEC.—This Province covers a territory of 210,000 square miles in round numbers, or about 120,000,000 acres, 10,678,931 acres of which have been conceded in fiefs and seigniories, 8,950,-

at a depth
y induced
ate result
me of the
and grew
l hundred
salt each

st superior
ant polish.
vely small

ts of peat.
try places,
n wood be-
ound in the
ay, and has

anada is not
on of every-
at is neces-
little, how-
the mineral
and properly
commerce,
e business of
that Canada
this wealth
urse of time.

EXEMPTIONS.

ured in every
in all the pro-
oin an outline

age of settling
erience before

953 acres are held in the townships in free and common soccage, and 6,400,359 acres are divided into farm lots. There remain about one hundred millions of acres of land still to be surveyed.

The Government of Quebec are in a position to offer for colonization 6,400,000 acres of land, divided into farm lots, nearly half of which are accessible by means of good roads, and more than two-thirds are fit for settlement. The price of these farms varies from twenty to sixty cents per acre, 1s. to 3s. stg. Upon eight of the great colonization roads, every male colonist and emigrant, being at least eighteen years of age, may obtain a free grant of 100 acres. The number of acres of land at present set aside to be disposed of in free grants is 84,050; but the Lieutenant Governor in Council may increase the quantity if found necessary.

By the end of the fourth year, the grantee must build a habitable dwelling on his lot and have 12 acres under cultivation; he can then take out letters patent which make him absolute proprietor.

The Lieutenant Governor in Council may at any time lay aside a district of country for the purpose of establishing a colony or settlement of persons who come to the Province as one party.

There is in the Province of Quebec a homestead law, under which the immigrant's property, in certain conditions, is exempt from seizure.

ONTARIO.—This Province is a territory of 105,000 square miles, or 69,000,000 acres, and Crown lands may be purchased at one shilling an acre and upwards, according to situation. The free grant system is as follows:—"Every head of a family can obtain gratis two hundred acres of land, and any person eighteen years of age may obtain one hundred acres in the free grant districts. This offer is made by the Government to all persons, without distinction of sex, so that a large family, having several children at or past 18 years of age, may take up a large tract, and become in a few years, when the land shall have been cleared and improved, joint possessors of a valuable and beautiful estate. The settlement duties are: to have 15 acres on each grant of 100 acres cleared and under crop in five years, to build a habitable house, at least 16 by 20 feet in size, and to reside on the land at least six months in each year."

The patent is not issued till the end of five years.

There is a homestead law in force in Ontario whereby the land of the settler is protected from seizure for a certain number of years, and thus preserved for his family, no matter what financial difficulties he may get into.

MANITOBA.—The scheme for building the Canadian Pacific Railway by the proceeds of sales of lands has altered the old system

of obtaining lands. But free grants in alternate sections are still given for homesteads. The Government regulations should be consulted by the intending emigrant.

BRITISH COLUMBIA.—In this province any male person, being a British subject, of the age of eighteen years, may acquire the right to pre-empt any unoccupied, unsurveyed and unreserved Crown lands (not being an Indian Settlement) not exceeding 320 acres, to the north and east of the Cascades, and 160 acres in the rest of the Colony. A fee of \$2 is to be paid for recording such pre-emption. The occupation shall be a continuous *bond fide* personal residence for four years, and when the lands are surveyed, the price shall not exceed one dollar per acre, and the pre-emptor shall have the right to buy his claim.

If, during the first four years, the pre-emptor shall cease to occupy his pre-emption claim, the Commissioners of Lands may cancel his claim, and cause all improvements and deposits to be forfeited.

The upset price of surveyed lands is one dollar per acre. Leases to any extent of unpre-empted and unsurveyed lands, for pastures or cutting timber, spars, etc., and of 500 acres for cutting hay, may be granted by the Governor in Council, subject to such rent, terms, etc., as the Governor in Council may order.

CHAPTER XIV.

EDUCATION.

Long before school boards were established in England, Canada was in the enjoyment of a well-organized educational system. More than a quarter of a century ago commissioners appointed by the Government were sent to the United States and several European countries, for the purpose of enquiring into and reporting upon the systems of public education then in practice in the places visited. The result was the foundation of a public school system, which has been improved from time to time, until it may now safely be said that, in this respect, Canada is second to no other country in the world.

English farmers and others who think of removing to the colonies are sometimes deterred by the thought that, in the new land, they may not find institutions and opportunities for the proper education of their children. It is fancied that, because a country

is young, it must, of necessity, be wanting in many of the surroundings and characteristics of civilization. A more mistaken idea could not possibly be entertained; the fact being that in many respects the new countries—especially those under the rule of the Anglo-Saxon race—are in advance of the old countries, for the simple reason that, in framing their institutions, while they copy all that is good and suitable in the Old World systems, they avoid all that is bad or defective. The educational system of Canada affords a striking example. Not only are these public schools found in every part of the Dominion penetrated by civilization, but the system is less complicated than in England, a higher standard of education is maintained, while the cost is not nearly so great. The result is that education is universal. School-houses dot the land over. In the Province of Ontario alone, with a population of about two millions, there are about five thousand public schools, while the private schools number close upon six hundred. The teacher invariably follows close upon the heels of the backwoodsman, and no new settlement remains long without its school-house. There are many men in Canada to-day, occupying positions of prominence, socially and politically—men able to speak and write forcibly, intelligently and well on many subjects—whose entire schooling was received within the four walls of the rustic school-house.

The system is as perfect as it is simple. Every township is divided into school sections of a suitable extent for one school, and in each section trustees are elected to manage its school affairs. In towns and cities a Board of School Trustees is chosen by the people. The Trustees regulate the expenditure of money, order the erection of new school houses when necessary, engage teachers, and have general charge of everything connected with the public schools. The necessary funds are raised, partly by tax upon the ratepayers, and partly by grant from the Provincial treasury. Teachers are prepared and trained at normal schools, supported and maintained at the public expense. Instruction is not by any means confined to the mere rudiments of English. In many cases the higher branches are taught, and the children are turned out with a good, sound, practical education that fits them for any ordinary position in life. As a rule no fees are charged, the schools are absolutely free, and thus the children of the poor have the same opportunities as the children of the rich. Such, in a few words, is the public school system of Canada.

Education, however, does not rest at this point. For those who can afford it—and nearly all can, for the cost is comparatively small—there are schools of a higher grade. In all parts of the country there are grammar schools, managed like the common

schools, by a Board of Trustees. At these institutions, as well as at many excellent private schools, the pupils receive a classical education, and are trained and prepared for the legal and other professions. Above these again there are colleges, possessing university powers, endowed with scholarships of considerable value, open to youths prepared in the lower schools. There are also schools of medicine at Toronto, Montreal and other places; while the various leading religious denominations have schools or colleges at which young men are prepared for the ministry. For the higher education of young ladies there are numerous excellent schools many of which are denominational in character. Nor are the afflicted forgotten, there being schools for deaf-mutes and for the blind, supported and maintained at the public expense.

The public and grammar schools are under the supervision of duly qualified inspectors appointed by the Government. The text-books in use are excellent in every respect; and all the larger schools are well provided with apparatus for the purpose of giving practical instruction in chemistry, astronomy and other branches. In connection with many schools there are free libraries containing a judiciously-chosen collection of books for the use of the pupils.

From all this it will be seen that Canada has made abundant provision for the education of her children. No country in the world is better off in this respect; and the Englishman may make his home there with the utmost confidence in being able to give his sons and daughters as good an education as he can desire.

CHAPTER XV.

POSTAL SYSTEM, MONEY, TELEGRAPHS, NEWSPAPERS, &c

THE postal system of Canada extends to every village and hamlet in the land, no matter how remote from the centres of business and population. The rate of postage is 3 cents per half ounce prepaid. The number of post offices is 5,161; the number of miles of mail route is 38,526; the number of miles of annual travel about 15,126,676; the number of letters and postal cards carried each year, 41,800,000. The gross postal revenue for the year 1876 was \$1,484,886; the expenditure during the same period was \$1,959,758. The number of letters carried in a year between Canada and the United Kingdom is over two millions; newspapers and books num-

ber about the same. The ocean postage is five cents, (two pence half-penny sterling,) per half ounce prepaid. The average passage of the mail steamers is about nine days. Postal cards can be sent between Great Britain and Canada for 2 cents (1d. sterling).

The money order system in operation is similar to that of England. All money order offices are authorized to draw on each other for any sum up to one hundred dollars; and any applicant may receive as many one hundred dollar orders as he may require. The rates are as follows:—

On orders not exceeding \$	4.....	2 cents.
On orders up to	10.....	5 "
Over \$10, up to	20.....	10 "
" 20 "	40.....	20 "
" 40 "	60.....	30 "
" 60 "	80.....	40 "
" 80 "	100.....	50 "

The money order offices in Canada issue orders payable at money order offices in the United Kingdom, and *vice versa*, for any amount up to ten pounds sterling, and grant as many orders under and up to that sum as the applicant may require. The rates are

On orders up to £2.....	25 cents.
Over £2 and up to £5.....	50 "
" £5 " " £7.....	75 "
" £7 " " £10.....	\$100 "

It may be well here to give the relative values of English and Canadian money. A sovereign is worth four dollars and eighty-six cents; half a sovereign, two dollars and forty-three cents; a crown one dollar and twenty cents; half a crown sixty cents; a shilling, twenty-four cents; a four penny piece, eight cents; and a penny, two cents. A cent and a half-penny are therefore practically of the same value. The sign for a dollar is thus written, \$. The money in use in Canada is bronze, silver, gold and bank notes. The one and two dollar notes are of government issue. The banks are prohibited from issuing notes under four dollars. The chartered banks of the Dominion are well managed, and backed up by large capital. All bank notes, being convertible to gold on demand, are equivalent to gold, and are universally so regarded. They are, in fact, preferred to gold for common use, as being more portable. Gold, therefore, is practically pressed out of circulation. But any persons who desire to have it can instantly exchange notes for it.

In connection with the Post Office Department there is a Savings Bank system. The offices at which deposits may be made number

268. The amount standing to the credit of depositors, according to the last report, was \$2,740,952. This represents part of the savings of the working classes, belonging, as it does, chiefly to mechanics and domestic servants. While on deposit the money, of course, draws interest; and it may at any time be withdrawn from the savings bank in accordance with the rules established.

The Telegraph System of Canada is in the hands of companies chartered by Act of Parliament. The number of miles of wire in operation is over 30,000. The number of private messages sent is between two and three million per annum. The lines are in connection with the Atlantic cable. The newspapers receive about ten million words each year. Private messages are sent at the rate of twenty-five cents for ten words within the old provinces of the Dominion, no matter what the distance may be. There is, however, a smaller rate for messages between offices not more than twelve miles apart; and a half rate for messages sent in the night and delivered the next day.

The Canadians are a newspaper-reading people. Every village of any pretensions has its weekly press; while towns of seven or eight thousand inhabitants have their local dailies. Some of the city dailies have very extensive circulations. They are to be purchased on the day of issue hundreds of miles distant from the place of publication. Being the leading organs of their respective political parties they are eagerly read by the people. And it may be said that almost every Canadian is a politician. The Canadian newspapers are conducted with vigour and spirit. The enterprise they display in the collection of news is surprising. When Parliament is in session at Ottawa, the Toronto and Montreal papers commonly publish from eight to twelve columns of the previous day's parliamentary proceedings; each report being a special one and transmitted by telegraph. And even editorial articles, commenting on the day's debate, are sometimes telegraphed from Ottawa.

The country weeklies are chiefly local in character; still they enter largely into politics.

There are published in Canada several excellent magazines, two illustrated weekly papers, and illustrated and other periodicals.

There are class papers, these being agricultural, commercial and financial weeklies; while each of the leading religious denominations has its special organ. There are two Masonic monthlies and several other society publications. In fact the Canadians are unusually well supplied with newspapers and periodical literature. It follows that no man in the land need remain in ignorance of what is going on in the world around him; and the people generally

are well up in the events of the day, both home and foreign, and in a position to talk intelligently of their own public affairs and those of other countries.

CHAPTER XVI.

A HOLIDAY TRIP.

WHEN so many thousands of the better classes of the English people seek health or recreation on the Continent—especially during the summer and autumn of each year—it is a matter of surprise that so few ever think of visiting the New Britain on the other side of the sea. Though all who have taken a run through Canada in the holiday season give a glowing account of the magnificence of the scenery, the perfection of the means of travel, and the comparative cheapness of living, tourists from the Mother Country are not nearly so numerous as the attractions of the journey would lead one to expect. The Americans, who are always in search of pleasant resorts, are wiser in their generation than their English cousins. Hundreds of them visit Canada every summer. They come even from the States in the far south; and are to be met with at the watering-places, in the towns and cities and on the railways and steamboats in every part of the Dominion. The Englishman will run off to the Continent, see Paris and Rome, "do" Switzerland, or swelter in a little German watering-place; and return little the better in health and much poorer in pocket, entirely oblivious of the fact that he might have crossed the Atlantic and spent a few weeks very profitably and pleasantly, and certainly more cheaply among people of his own race and his own nationality. Still, we are glad to know that the number of English pleasure-seekers who visit Canada is increasing year by year, and it only requires that the attractions of the journey should become more widely known to make this one of the chief holiday trips for Englishmen and their families. Let us in imagination make the trip with the reader.

On a pleasant summer's afternoon, say about the middle of July, we find ourselves on the deck of one of those moving villages, a trans-Atlantic steamer, in the Mersey. All is bustle and noise; everything seems topsy-turvy, for the last of the passengers, with mountains of luggage, has just come aboard, and we are on the point of sailing. In a few moments the last good-byes are

said, the tender casts off, the machinery moves, and our great ship glides slowly down the broad stream, bound for the far west. Presently we are in the Channel; if it be rough those with delicate stomachs disappear, while the old sailors pace the deck, talk wisely of the weather, or begin the business of acquaintance-making. All night we plough the Channel northward, and next morning come to anchor off Greencastle, in beautiful Loch Foyle, there to await the English mail and the Irish passengers. Early in the evening these are on board; once more "the anchor's weighed," and now we are off in earnest for the Western World.

When we come to look around us we find that, on the whole, we are with agreeable people, with some of whom we soon get up a speaking acquaintanceship, which becomes more intimate the longer we are out. Lawyers, doctors, clergymen, farmers, sportsmen, comfortable-looking families going out to Canada to remain there, and Canadian merchants and buyers. Some of these latter we find have crossed the Atlantic scores of times, and are genial, sociable men, having a firm and an abiding faith in the future of their young country. The time goes by in a pleasant, dreamy sort of way, for there is rarely bad weather at this season of the year. In the way of amusements and recreation, there are books, cards, chess, music, a concert, with readings and acting charades, eating, drinking, and flirtation; and, very likely, a little seasickness, though probably the victims of the latter would hardly call it an amusement.

On Sunday there is service in the saloon, to which the steerage passengers are invited. The service is very simple: the ordinary morning prayers are read, a couple of hymns are sung, the benediction is pronounced, and the proceedings are over.

On the fifth or sixth day out from Ireland we come in sight of the rugged coast of Newfoundland, and another day's run takes us through the straits of Belle Isle, into the gulf of St. Lawrence. A few hours later we sight the island of Anticosti on the right, and here we see the first signs of civilization, in the shape of a fishing hamlet or two at the water's edge. Further on we enter the mighty St. Lawrence itself, and thence to Quebec we have the land on either side, though at certain points, so great is the width of this majestic river, you cannot see the land except in very clear weather. As we advance up the stream we pass village after village of the French inhabitants, their white houses nestling in pleasant gardens, with a glorious background of deep green, stretching away in the distance as far as the eye can reach, and forming a picture only to be seen here. And so we move on, the towns increasing in number and size, till, on the eighth or ninth day out, the grand old fortress of Quebec looms up as we round

Point Levis; a little later our noble ship is tied up at the landing-stage, and we step ashore on Canadian soil.

Quebec is the most Old-World city, and one of the most interesting, on the American continent. Here we spend a day or two most agreeably. We run out to the Falls of Montmorency, wander over the Plains of Abraham, go through the citadel, and see the sights inside and outside the walls of this venerable city; which, because of its strength, as a fortress, is called "the Gibraltar of America." Thence we go westward, either by train or river steamer; if by the former we pass through some very fine agricultural districts; if by the latter we have a sail of 180 miles up the St. Lawrence—a charming trip and made under the most favourable circumstances in one of those "floating palaces" for which the lakes and rivers of the New World are famous.

Two or three days may be profitably spent at Montreal, the commercial metropolis of Canada, and one of the finest cities on the American continent. The drives around the town are delightful, the churches are massive and grand, while the Victoria Bridge which crosses the St. Lawrence here, at a point where the river is two miles wide, is one of the most wonderful structures in the world. From Montreal to Ottawa by rail or river is our next stretch. The capital of the Dominion is well worth visiting, for its artificial as well as for its natural beauties. The Houses of Parliament and Departmental buildings are justly ranked amongst the best in America. A well-known writer has described them as being among the "architectural glories of the world." The Rideau and Chaudière Falls are wonderfully beautiful. The saw mills which are here by the score, turning out their millions of feet of boards each day, never fail to prove full of interest to the European tourist. This is the centre of the lumber trade—one of the leading industries of Canada—and at any time one may see hundreds of acres of "lumber," as the boards are called, piled over the islands and on the river banks. By rail from Ottawa to Prescott, thence westward by the Grand Trunk through a fine agricultural country and past many flourishing towns, any of which would be well worth visiting if we had time. We run through, however, to Toronto, 333 miles west of Montreal. This is the second city in Canada in wealth and population, and one of the most attractive. Its public buildings and institutions are numerous; and, in visiting these, as well as driving through the wide and beautiful streets, we pleasantly pass a few days. From this point many routes are open to us, but we choose the Northern Railway and go by steamboat and waggon as far as possible into the Muskoka country; in other words, into the backwoods of Canada. It was only a few years ago that these townships were thrown open

for settlement, and now they contain a very considerable population, with several flourishing towns and all necessary branches of industry. This is known as the "Free Grant District," as the land, which belongs to the Ontario government, is given absolutely free of all charge to actual settlers. The scenery along the numerous lakes and rivers is unsurpassed in rugged beauty. But we shall find this district attractive chiefly for the reason that it will afford us opportunities for getting an insight into what is called "roughing it in the bush;" in other words, we shall see the sort of life the first settlers in the backwoods of Canada lead, with all its hardships and its drawbacks, as well as its pleasures and its freedom. We shall be compelled to rough it ourselves, but this will only make our experience the more enjoyable. A week or so here, then out into civilization again, up the Northern Railway to the town of Collingwood, at which port we take steamer to the head of Lake Superior. This trip through the upper lakes is surrounded with many attractions. We pass through the largest body of fresh water in the world, wend our way through groups of charming islands of every size and shape, enjoy the grandly massive scenery of Lake Superior, visit the copper and silver mines for which this region is famous, go to the very limit of civilization in this direction, and at the various stopping-places see many families and villages of the Canadian Indian little removed from his original condition of barbarism. The head of Lake Superior reached, we may return by another fine line of steamers to Sarnia, and back to Toronto by the Grand Trunk Railway, through one of the finest farming districts of Canada. This trip will occupy about ten days from Toronto.

A two hours sail across Lake Ontario brings us to the old town of Niagara, formerly the capital of Upper Canada, now a summer resort. Thence we run by rail up the west bank of the majestic river, a distance of about twelve miles, passing through scenes of historic interest, and alight at Clifton, within sight and sound of Niagara's mighty cataract. Two or three days will be sufficient here, though we should be glad to spend as many weeks, did time permit. Taking the Great Western train at Clifton we run westward through one of the finest fruit-growing districts in the world. On every side we see orchards of apples, peaches, plums, and berries, vineyards with their wealth of clustering grapes, and gardens bright with a profusion of flowers. A day at the beautiful city of St. Catharines; thence on to Hamilton, where another day may be most pleasantly spent. Here, if we have no more time to spare, we may take either train or steamboat for Montreal, about four hundred miles distant. It will be better, however, to run on to London by the Great Western and thence by the Grand Trunk

to Guelph. This will again take us through the very best farming district in Ontario, and enable us to form some idea of the agricultural wealth of the Province. At Guelph we might visit the Model Farm, which is carried on under the Provincial Government, and go over a few of the splendid farms for which the County of Wellington is remarkable. A few hours' run by the Grand Trunk again brings us once more to Toronto. Should time permit, we may make a trip over one of the narrow gauge railways into the beautiful country north-west and north-east of Toronto, and returning take a lake steamer at that port for Montreal. We steam down through Lake Ontario, past many beautiful and flourishing towns, at several of which we call, and enter the St. Lawrence at Kingston. Between this point and Montreal we make one of the most charming trips imaginable, through the ever-varying but always beautiful Thousand Islands, and over the boiling, surging rapids. Nothing can be conceived more enchanting and more exciting than "running the rapids;" and, when the pleasure and danger are past, and our steamer is moored to the wharf at Montreal, our only regret is that we have not time to repeat the trip.

If we can at all do so, we must run out from Montreal to Lake Memphremagog, which is remarkable for the beauty of its surroundings. Then on to Quebec by rail; as we came up by water from Quebec. We find the ship in the stream awaiting us; we go aboard by tender, and an hour later we are ploughing our way down the mighty river. We pass once more the pleasant villages and charming watering-places of the Lower St. Lawrence; take the mails on board about two hundred miles below Quebec; then start in earnest on our homeward voyage; and in eight days more are home again in "merrie England."

This is a holiday trip that any Englishman of moderate means may safely undertake. It can easily be done within eight weeks: the cost is not so great as if the same time were spent on the Continent or even at a fashionable English watering-place; while the attractions which the trip presents are so varied, so novel and so numerous, as to far surpass those of any ordinary European tour.

CHAPTER XVII.

FOR THE SPORTSMAN, THE ANGLER AND THE ARTIST.

CANADA offers a splendid field for the sportsman and the angler. Game and fish are abundant. The game laws are simple, having

reference only to the "close" or breeding seasons; the climate is invigorating and healthy; and experienced guides and assistants can be engaged in any part of the country. The sportsman need experience no difficulty in suiting his taste. He can have any form of sport he likes, from bagging squirrels and partridges and pigeons in the old settlements to tussling with grizzly bears in the wild canyons of the Rocky Mountains. The royal tiger and the lordly lion he will not find; but if he be sufficiently venturesome he may gather together a collection of hunting trophies of which he will have no reason to be ashamed, and at the same time undergo excitement and danger sufficient to satisfy any reasonable mortal.

In the way of wild animals there are in the old Provinces, bears, foxes, wolves, moose, cariboo, red deer, otter, mink, pine marten, sable, hares, raccoons, squirrels, etc., while in the far west there are immense herds of buffaloes on the plains, and grizzly bears and other animals in the Rocky Mountain region. Of feathered game there are woodcock, snipe, pigeons, plover, partridges, quail, geese, ducks, brant, curlew, and prairie fowl; while of eagles, hawks, owls and other such birds there are many varieties. All game is common property; the sportsman is at liberty to shoot where he likes, what he likes, and when he likes, with this exception that during a certain time of the year it is illegal to take game. This is necessary in order to preserve it from total destruction. However, no true sportsman—law or no law—would kill game out of season.

The English sportsman should take a good outfit with him, though it would of course be folly to burden himself with an unnecessary lot of "traps." A good-sized portmanteau will carry all he wants in the way of clothing. Tents and all necessary camp furniture, cooking utensils, etc., can be procured in any Canadian town. Rifles, guns, ammunition, knives, steel traps and all other such articles can also be purchased in Canada, if necessary.

For the sake of companionship, as well as for mutual protection and aid, in case of trouble or difficulty, there should be three or four in the party. English servants are only in the way, unless they happen to have had experience.

On arriving in Canada, the party, if they have no friends in the country with whom to consult, should at once call on the nearest Government agent, who, even though he may not know much about sporting matters himself (though most of them do), will place them in communication with persons who will afford them every assistance.

In the forests of New Brunswick and Quebec, moose, to say

nothing of other game, large and small, are abundant; but it would not be safe to enter on the chase without experienced guides. These can be had without difficulty and at a small cost. Most of them are Frenchmen, or a cross between the French and Indian. They are active, hardy, enduring, shrewd fellows, thoroughly trustworthy; handy in camp, and cunning on the trail. They will find the game if it is to be found at all, and when brought down they know how best to treat such parts as are to be preserved as trophies; and how to cure the choice cuts of the meat. The French and half-breeds are to be preferred to the full-blooded Indian, because they are more cleanly as a rule, and much better cooks than the latter. It is not well, however, to allow any of them, especially the Indians, too much liberty with the brandy flasks. After a hard day's work on the trail, they are deserving of a drop of whiskey and water, but let it be one and no more. Moose and cariboo hunting is a hard, tiresome and occasionally a very exciting amusement. There are several parties of men in England, most of them ex-officers in the army, who visit Canada every two or three years for the moose hunting. They find that quite frequent enough. Some of them have very fine collections of heads and hides.

As has already been said, while on the moose trail the hunter comes across a variety of other game, beasts as well as birds, and thus he is enabled to form an interesting and sometimes valuable collection.

Duck shooting is to be had in every part of Canada. The birds come north in the spring of the year, and make their homes for the summer in the numerous small lakes to be found in the interior of every Province. They hatch their young on the shores, bringing them up on the wild rice and other food with which the lakes abound. In the autumn they are to be seen in countless thousands. Two men well up in the sport may easily bring down three hundred brace in a day. Such shooting does not compel one to go beyond the confines of civilization. Many of the best lakes for the purpose can be reached from the large towns in a few hours by rail or coach. At or near the lakes there are clean, comfortable, well-kept hotels, where one may be accommodated for four, six, or eight shillings per day, everything included. Wild geese are frequently killed in these lakes, though as a rule they spend the summer further north, while in the woods near the lakes a day's shooting is almost certain to bring the sportsman a well filled bag of miscellaneous game.

The best and most exciting sport to be had on the American continent is buffalo hunting, and the best fields are the grand prairies of the North West. The party should be provided with

good breach loading rifles, a revolver each, and an abundant supply of ammunition; although the hunt for these by the native Indian and half-breeds is by the use of the common flint-lock smooth bore, which is loaded and discharged at the gallop, with great rapidity, the powder being simply put in the mouth of the barrel, and the bullet dropped on that, without any paper or ramming whatever. The firing is, of course, at point blank range, while galloping with a herd of buffaloes.

The hunting grounds may be reached by way of Sarnia and Collingwood and the Great Lakes to Duluth; thence by the Northern Pacific to Glyndon; and thence by the St. Paul and Pacific Railway to Winnipeg. There is also the choice of an all-rail route *via* Chicago and St. Paul, in the United States. The Lake route will be found particularly pleasant, and the time taken is very little longer.

There is a class of men in Manitoba known as "plain hunters," from the fact that they live chiefly by buffalo hunting. They are nearly all half-breeds, a cross between French or English and Indians, and are undoubtedly the most expert and successful buffalo killers on the American continent. The services of a few of these men can be secured without difficulty and at a moderate cost. Their horses, an active wiry breed, are trained to the sport, and appear to take as much pleasure in it as do their masters. At Winnipeg men, horses, tents, camp furniture and everything else necessary for a hunt over the prairies can be either hired or purchased. Before engaging guides, however, the sportsman should consult the local agent of the Government, who will readily give him every advice and assistance. The half-breeds are, as a rule, trustworthy, honest and respectful; still it is always the best policy to have the advice of one in authority in making your arrangements.

It is not intended here to describe a buffalo hunt, with all its excitement, its danger, and its novelty. The sportsman, however, may be advised to go and experience it for himself. It is the perfection of hunting, and as horse, rifle and revolver are brought into service, it will at once be seen that it has special and peculiar attractions for Englishmen, accustomed as they are to both hunting and shooting. To the genuine sportsman nothing can be more enjoyable; and he returns after his two months on the plains feeling that he has at last, for a time, been in reality a dweller in "the happy hunting grounds."

Those who have time and who have made the necessary preparations, may extend their trip westward to the Rocky Mountains in search of bears and other large game. They may even pass onward into British Columbia, the forests of which afford splendid sport.

Prairie fowl may be killed in any number on the plains, while the lakes swarm with ducks and geese.

Canada has the best fisheries, inland and marine, in the world. Nova Scotia and Newfoundland are famous for their cod fisheries. A recent pamphlet issued by the Nova Scotian Government says:—

"In some seasons our bays and harbours teem with fish of various kinds—mackerel, herring, cod, haddock, halibut, hake, pollock, shad, smelt, perch, eels, etc. Lobsters are abundant, and are usually sold in the Halifax market at about one shilling per dozen. Good sport is afforded in spearing lobsters at night by torch-light. We have a plentiful supply of shell-fish, viz., oysters, scallops, clams, quahaugs, mussels, etc. Indeed no country in the world can produce a greater variety of sea fish, or in greater abundance. Our rivers and lakes afford salmon, trout, and grayling; and we have no lack of the disciples of Isaac Walton. Any boy with a bean pole, a half-dozen yards of twine, with a hook on the end of it, and a few angle worms or grasshoppers, may go out in the morning and kill as many trout as will do a large family for breakfast. In some lakes they are quite large, and are taken as heavy as four or five pounds. In other lakes they are small, seldom weighing more than one pound. The little brook trout is an excellent pan fish; the prince of all the trout tribe is the sea trout. This fish is taken in large numbers at the mouths of rivers emptying into the Atlantic."

All the rivers in Canada connecting with the sea, on the Atlantic as well as the Pacific coast, contain splendid salmon. The fish were taken indiscriminately and at all seasons up to a few years ago, when the government stepped in and put a stop to the slaughter. The fish are now closed during the breeding season, and there are breeding establishments, carried on under government, at which millions of young fry are turned out every year. The best salmon streams are in Nova Scotia, New Brunswick, Quebec and British Columbia. In the upper lakes there are numerous other varieties of fish which make capital sport. Some of the salmon rivers on the lower St. Lawrence are leased from the government by private parties; but permission for a week's fishing can be readily obtained. The lakes and rivers up the country are all free.

Brook trout may be taken in all parts of Canada, but the trout fisher's paradise is to be found in the rivers on the north shore of Lake Superior, especially the Neepon. This is a large, clear, cold and rapid stream affording splendid fishing from its mouth to its source. The fish run from one to seven pounds in weight; they are firm and hard, beautifully marked, and always "die game."

To reach the Neepigon the fishermen go to Collingwood or Sarnia from Toronto, by rail, thence by steamer to Red Rock at the mouth of the river. At Sault Ste. Marie, on the way up, it is well to engage a couple of Half-breeds and a canoe, having previously laid in the necessary camp furniture and provisions at Toronto. From Red Rock the party proceeds up the river about eight miles and there camps out. As the country is in a state of nature one must rough it and live under canvas. Three weeks on the Neepigon will make glad the heart of any disciple of old Isaac Walton. It is glorious sport, and, as the surrounding scenery is grand in the extreme, the student of nature will find much to admire and think of in after days. The fish that are taken need not be wasted. The Half-breeds know how to cure them, so that they will keep for months. The writer has eaten Neepigon trout in England, and delicious they were.

Trout fishing is to be had in other parts of the country less remote from civilization, and good trout fishing, too; while bass, pike, pickerel and numerous other varieties, some of them very "gamey" and full of play, may be caught in any quantity in the lakes and rivers.

As in all new countries, the fine arts did not make much headway in Canada, until within the last few years. Men are too much taken up with trade and commerce; too eagerly struggling for wealth, to give any portion of their time to art studies. Yet as wealth accumulates, and as education elevates the mind, the public taste becomes refined, and a desire for such things manifests itself. Canada is a country calculated by nature to make its people love the grand, the beautiful, the sublime. Her beautiful rivers, her mighty waterfalls, her lovely lakes, her grand forests, her beautiful valleys, her towering mountains, and her charming pastoral scenes present a variety of scenery that cannot be surpassed. Such surroundings as these must tell in time on the tastes of any people. And so we are glad to say it is in Canada.

Not many years ago, before the present degree of refinement and culture had been reached, a painter could hardly make a living in Canada. Now there are scores. In the Province of Ontario there is a society for the promotion of native talent; and there is annually a very pleasant reunion, at which the works exhibited are drawn for as in the London Art Unions. The subjects are generally Canadian water colours, though a few artists confine themselves to oil paintings. It would be unreasonable to expect them to rival the works of European painters, yet there are several very promising artists in the Dominion, some of whom may yet be heard of on the other side of the Atlantic.

The English painter in search of new subjects cannot do better

than go to Canada. There he will find every variety of scenery imaginable, while at the same time he will enjoy an "outing" that cannot fail to invigorate and strengthen both body and mind.

CHAPTER XVIII.

WHEN AND HOW TO GO TO CANADA.

THE spring or summer is the best time of year to go to the old Provinces of Canada. Strangers should not go there in the winter with the intention of becoming permanent residents, unless under the advice of friends already in the country, whom they are going to join. The earlier in the spring one gets to the old Provinces the better. By leaving home about the middle of April, when the steamships commence running to Quebec for the season, the emigrants will arrive at a time when labor is in general demand.

Farmers who go to Canada with means, and who intend to purchase farms on their own account, should not close a bargain till they have had a good look around. Each one should deposit his money in a Government Savings Bank or in one of the Chartered Banks, where it will be perfectly safe and drawing interest. He should spend a year in the country parts; and it would be all the better for him in the end if he were to engage himself for the summer to an experienced farmer. The knowledge thus attained would stand him in good stead when on land of his own. Though land is often transferred without much formality, it is always the safest course to procure the services of a lawyer before concluding a deed.

So far as the laborer is concerned, his first object should be to procure work. He should keep clear of the large towns where he is liable to be led into temptation or to waste his money in idleness. Let him in all cases be guided by the advice of the government agents with whom he is brought into contact, and he will not be likely to go wrong.

Though the highest wages are paid during harvest, he should not wait for that busy season; his great object should be to get engaged by the year, so as to be sure of a comfortable home and steady wages during the dull as well as during the busy season. He should bear in mind that, until he gets into the ways of the country, he is worth much less to the farmer than he will be afterwards, and should therefore be careful not to make the common

mistake of refusing reasonable wages when offered him on his first arrival in the country. These remarks apply to the tradesman and mechanic as well as to the farm labourer.

All routes by United States ports (Portland excepted) should be avoided, and steamships should be chosen in preference to sailing vessels. There are several lines of steamers running direct to Canadian ports, to which we shall refer more fully presently. These steam-lines have agents in all parts of England, Ireland and Scotland, and also in most of the large continental cities. In all cases it is best to consult the nearest local agent, who will readily give every information in his power respecting rates, times of sailing, etc., and will also furnish the applicant with pamphlets on Canada free of charge. If there be no local agent, application should be made to the Canadian Emigration Agent, Canada Government Building, 31 Queen Victoria street, London, E. C. Under any circumstances it is always best to procure one's ticket before leaving home, as a place in the ship is thus secured, and much trouble, annoyance and confusion at Liverpool are avoided. Though passengers may book through to any inland town on any of the main lines of railway, it is preferable to book only to Quebec, at which port all necessary information will be given by the government agent or the railway officials.

Emigrants going to Ontario or the Western part of Canada should always, in the summer time, take a steamer going to the port of Quebec, and never to Halifax or St. John, as they save a long railway route.

STEAMSHIP LINES—ADVICE ABOUT SAILING.

There are several lines of steamships running from ports in England, Ireland and Scotland directly to ports in Canada, of which full information can be obtained from the hand bills and advertisements of the several companies.

There are lines which go to Quebec, which we repeat the emigrant for the west should always take in the summer time; and there are lines which go to Halifax and St. John, which emigrants for Nova Scotia and New Brunswick should always take, instead of going round by Quebec.

In the winter time, or when the St. Lawrence is closed, emigrants for the West can go by either Halifax or Portland.

Passengers of every grade on all of these vessels are provided with an abundance of cooked provisions; but steerage passengers must provide their own beds and bedding, and eating and drinking utensils, which can be procured in Liverpool before sailing for a few shillings. First-class passengers are allowed 20 cubic feet;

intermediate passengers, 15 cubic feet; and steerage passengers, 10 cubic feet of luggage free. All excess will be charged for.

As we have already said, the passenger should procure his ticket before leaving home either from an authorized agent of the line he intends sailing by or through the Canadian Emigration Agent in London. It is of the utmost importance also that every member of his family should be in good health, as they will be examined by a medical officer before embarking, and should any infectious disease be discovered the family will not be allowed to sail. Each ship has a medical officer on board, and in case of illness during the voyage he attends to the patients and prescribes for them free of all charge.

The following instructions are taken from a recently issued emigration pamphlet:

As soon as the passenger gets on board he should read the rules he is expected to obey whilst at sea. He will find them hung up in the steerage; and should do his best to carry them out, and to be well behaved and keep himself clean, as this will add much to his own comfort and good health, as also to the comfort and health of others.

If he have any grievance or real cause of complaint during the passage, he should go and make it known at once to the captain. The arrangements are, however, now so perfect for securing comfort and speed on the great ocean steam-lines, that complaints are seldom or never heard.

All boxes and luggage should be plainly marked with the passenger's name, and the place he is going to. They will be stowed away in the hold of the vessel, so whatever is wanted on the voyage should be put into a trunk, carpet bag or small box, which the passenger will take with him into his berth.

Emigrants are often induced to make a clean sweep and part with everything they have before leaving the old country, because it is said the charges for excess of luggage are so large that they would come to more than the things are worth. Now there are many little household necessities which when sold wouldn't fetch much, but these same things if kept would be exceedingly valuable in the new country or the bush, and prove a great comfort to the family as well. It is not, therefore, always advisable to leave them behind; they may not take up much room, and the cost of freight would be little compared to the comfort they will bring. The personal effects of emigrants are not liable to customs duty in Canada. Excess of luggage (unless very bulky) is seldom charged for on the Canadian Railways.

Lay in as good a stock of clothes before leaving home as you possibly can. Woollen clothing and other kinds of wearing

apparel, blankets, house linen, etc., are cheaper in the United Kingdom than in Canada. The emigrant's bedding, if it is good, should be brought; and if he has an old pea jacket or great coat he should keep it by him, for he will find it most useful on board ship.

Agricultural labourers need not bring their tools with them, as these can be easily got in Canada, of the best description, and suited to the needs of the country.

Mechanics are advised to bring such tools as they have, particularly if specially adapted to their trades.

Both classes must, however, bear in mind that there is no difficulty in buying any ordinary tools in the principal towns at reasonable prices; and that it is better to have the means of purchasing what they want, after reaching their destination, than to be hampered with a heavy lot of luggage on their journey through the country. It must also be borne in mind that the tools bought in Canada will likely be specially adapted to the use of the country.

Farmers and others with means, going out as saloon passengers, sometimes take with them the greater portion of their household furniture, bedsteads, tables, pianos and other heavy and cumbersome articles. Nothing could be more absurd than this. The cost is very great, the articles are liable to be damaged on the voyage; and, even should they reach Canada uninjured, many of them will be found to be out of place and the next thing to useless. All heavy household furniture should be sold off; it is much better to make a clean sweep of it and to go out, so to speak, "in light marching order." Furniture of all kinds can be bought in Canada as cheaply as in England. The pianos made in Canada are second to none. Everything in the way of house furnishings is to be had at reasonable prices, and much better suited to the country than the English made articles.

By following out the advice given above one may go to Canada with ease and comfort. The voyage is a short one, from eight to ten days; the steamships are of the very best class, and the wants and welfare of the passengers are carefully and constantly looked after. In fact, it is little else than a pleasure trip on a large scale.

CHAPTER XIX.

RATES OF WAGES, COST OF LIVING, RENTS, CLOTHING, &C.

THE commercial and industrial crisis which has affected so large a portion of the world set in, with severity, in Canada, in 1874,

and naturally very much deranged the rate of wages, which is still very much unsettled. But the depression appears to be now passing away, to be followed by the accustomed state of prosperity in the country. It is, however, yet very difficult to quote a rate of wages applicable to all parts of the country. In the old parts of Canada labourers' wages may be stated to be from eighty cents to a dollar a day, without board, but less in winter. Agricultural labourers get from ten to twenty dollars per month with board, and more for special work during the harvest, but in winter less. Labourers' wages on the Railway works in Manitoba and the North West are from one dollar and a quarter to two dollars a day. But emigrants should bear in mind that Manitoba is a new country, and the labour market limited. They should therefore be well advised before going thither in search of employment.

Female domestic servants get on an average five or six dollars a month with board. Higher wages are sometimes paid for very superior servants. Inferior ones might get less than the average stated.

The wages of artisans and mechanics differ with their trades, and are in many cases fixed by the trades union. As compared with the cost of living they are good; and they are relatively good as compared with other countries.

It may be generally remarked that, since the depression began, the class of mechanics and artisans and labourers in towns have been cautioned to use great care before emigrating, as considerable numbers, not only in Canada, but over the whole continent of North America, have been thrown out of employment, from the stoppage or reduction of accustomed industries.

These remarks have not applied in Canada to genuine agricultural labourers. These, and farmers with small capital, have had the very best prospects open to them, even during the crisis. In fact, men, to make the land give its increase and develop the mineral resources of the country, are a standing need in Canada.

As respects the cost of living, it has gone down with the depression of wages. All kinds of meat, potatoes, bread, butter, milk, cheese, and in fact all kinds of provisions are very cheap in Canada, very much cheaper than they are in England; and the people as a rule live well.

Generally speaking, the cost of clothing is cheaper in the Old Country than in the New, and provisions cheaper in the New than the Old; but the difference in the cost of clothing at the present time is not much; and the emigrant is not advised to burden himself by the purchase of articles of which he is not in immediate need.

The cost of board for immigrants may be stated to average from \$2½ to \$3 (10s. to 12s. stg.) per week ; and the rent of houses for working men from \$5, (£1 stg.) to \$8 (£1 12 stg.) per month, according to size and locality. There are, of course, higher and lower prices than these quotations. Living is very cheap in Canada.

As regards employment, the newly arrived immigrant, without means, is generally advised to take the first offer made to him until he becomes acquainted with the ways of the country. And the inducement, as before explained, to come to Canada, is not simply higher wages and good living among kindred people under the same flag, in a naturally rich country, possessing a pleasant and healthy climate ; but the confident hope which the poorest may have of becoming a landowner, and, while securing a competence for himself, comfortably settling and educating his children in a manner he could not hope to do among the crowded population of the Old World.

CHAPTER XX.

PROVINCES OF THE DOMINION.

ONTARIO.

THE old Province of Ontario had an area of about seventy-eight million acres, of which about a third was surveyed, and for the most part granted and sold. But of the surveyed portion upwards of three millions of acres yet remain to be disposed of, either as free grants to settlers or by purchase.

The recent award, however, of the arbitration on the boundaries of Ontario, gave to that Province an immense extension of territory,—an extension as great as the whole of the rest of Ontario exclusive of the Lakes Ontario, Superior, Huron and Erie. The Province of Ontario will in the future possess an area of fully 200,000 square miles. This is 80,000 square miles greater than the area of the United Kingdom ; only 12,000 square miles less than the whole German Empire ; only 2,000 square miles less than France ; and equal to the combined areas of Holland, Portugal, United Italy, Switzerland and Belgium. The new territory alone possesses an area greater by 20,000 square miles than the group of countries just named, excepting Italy.

Ontario is the most populous and wealthy Province of the Con-

federation. It had, according to the census of 1871, a population of 1,620,851. Its south-western portions have a milder climate than Quebec or the Maritime Provinces. Its growth in wealth, principally from the products of agriculture, has been very rapid.

Occupations and Cities.

Agriculture forms the principal occupation of the inhabitants, although lumbering in the rich forests, mining in the bountiful deposits, and seafaring occupations, on the great lakes, attract a portion of the labour of the inhabitants.

Toronto, the seat of the Provincial Government, has a population of 56,092. There are also other cities of considerable extent. Ottawa, with a population of 21,545, is the seat of the Dominion Government, in which are erected the Houses of Parliament and Departmental Buildings. These constitute three of the finest edifices on the Continent of America. The city of Hamilton has a population of 26,716; London, 15,826; and Kingston, 12,407.

Resources.

The soil of the country varies in different localities, but a large proportion is of the very best description for agricultural purposes; its water communication, by means of the great lakes, is unsurpassed; in mineral wealth (excluding the one article, coal) it has resources of the very greatest extent, abounding, as it does, in iron, copper, lead, silver, marble, petroleum, salt, etc. Its immense forests of pine timber are too well known to need any description. The great lakes abound with fish, and the forests with game.

Ontario is essentially an agricultural country. The producing class, then, is that which the country needs—men to clear the forest lands, to cultivate the soil, to build houses, to make the ordinary household goods, and to open up communication from one part of the country to another, by the construction of roads and railways; but it cannot be too strongly impressed upon intending emigrants that, of professional men and of book-keepers and clerks, Ontario has already enough and to spare.

Demand for Females.

Of the female sex the class most in demand are household servants: these are always sure of immediate employment, at good wages. There is also a considerable demand for dressmakers, milliners, and seamstresses, all of whom can obtain good wages.

Farms and Lands.

Uncleared land varies in price from 2s. to 40s. an acre, according to situation and soil. Cleared and improved farms can be bought at prices ranging from £4 to £10 an acre. The money can nearly always be paid in instalments, covering several years. The leasing of farms is an exception to the general rule, as most men desire to own the land they cultivate. Emigrants possessing means would do well not to be in haste to purchase, but to get some experience before taking so important a step. Agricultural labourers would study their own interests by accepting employment as it may be offered on arrival, and they will soon learn how to improve permanently their condition. Persons accustomed to the use of mechanical tools, who intend turning their hands to farming, will often find such an acquisition of great convenience and value.

Prosperity of Immigrants in Ontario.

Men commencing as labourers, without any capital but strong arms and willing minds, seldom keep in that condition very long, but after a period of more or less duration they generally become employers of labour themselves. It is this moral certainty of rising in the social scale, when the proper means are employed, that brightens the hopes and stimulates the exertions of the needy settler.

In coming to Ontario, old country people will find themselves surrounded by appliances of comfort and civilization similar to those which they left in the old land: the means of educating their children universally diffused; religious privileges almost identically the same; the old national feeling for the land of their fathers loyally cherished; and an easy means of intercourse, both by steam and telegraph, with every part of the great British Empire, of which Canadians are proud to boast that their country forms an integral and no inconsiderable part.

Climate and Productions.

The climate of Ontario is warmer in summer and colder in winter than that of England; but the air being dry the heat of summer is not found to be oppressive; while the clear sky and bracing air of winter render that season, in the opinion of many, the most pleasant of the year. The frosts of winter have a powerful effect in opening the soil, and the snow protects the ground from the winds and sun of the early spring; then the melting snow fills the

soil with moisture, and replenishes the wells with an abundant supply of water.

The productions of Ontario are similar to those of Western Europe. Cereals, grasses and root-crops find here their appropriate climate; while fruit is produced in great abundance.

Hemp, tobacco, and sugar beet are also profitable crops. Maize and tomatoes ripen well, and in the southern parts of the Province peaches and grapes come to perfection in the open air. The growth of such products as these forms an unerring index to the character of the climate.

Free Grant Lands.

On the 1st of January, 1874, there were sixty-nine townships open for location, under the "Free Grant and Homestead Act of 1868," and the following have been opened since that time, viz., Bangor, Faraday, McClure, Carling, Ryde, Oakley, Ridout, Mat-tawan, and Plumer, making in all seventy-eight townships, each containing from 50,000 to 60,000 acres. Besides the above, there are twelve more townships appropriated, making in all ninety. Other townships will be opened as railways and colonization roads are constructed; and the Georgian Bay branch of the Canada Pacific Railway will, in its construction, pass through townships in Ontario that will be open to settlers as free grants.

Two hundred acres of land can be obtained, on condition of settlement, by every head of a family having children under eighteen years of age; and any person over eighteen years of age can obtain a free grant of 100 acres on condition of settlement. These lands are protected from seizure for any debt incurred before the issue of the patent, and for twenty years after its issue by a "Homestead Exemption Act."

In order to make a successful settlement upon a free grant, the settler should have at least from £40 to £50 after reaching his location.

The old settlers are always willing to help new comers. A house, such as is required by the Act, could be erected by contract for from £5 to £8; but with the assistance which the new settler would certainly receive from his neighbours, it might be erected for even less. Should it be desired to clear the land by hired labour or by contract, in order to bring it more rapidly into cultivation, the cost would be about £3 sterling per acre. The best season of the year to go on to a free grant is the month of September, after harvest work in the old settlements is over. There is time to put up a house, and get comfortably settled before the winter sets in; and during the winter the work of chopping and clearing can go on. In this way, a crop can be got in during the

first spring. The operation of putting in the first crop is a very simple one. Ploughing is at once impracticable and unnecessary. The land is light and rich. All it needs is a little scratching on the surface to cover the seed. This is done with a drag or harrow, which may either be a very rough, primitive implement—a natural crotch with a few teeth in it—or it may be carefully made and well-finished.

Mines and Minerals.

The mineral wealth of Ontario can hardly be surpassed in variety and richness, but may be said to be almost entirely undeveloped.

Iron in large quantities is found a short distance back from Lake Ontario, in the country between the Georgian Bay and the Ottawa; also, in the same region, copper, lead, plumbago, antimony, arsenic, manganese, heavy spar, calc spar, gypsum or plaster of Paris, marble pronounced by good judges as fully equal to Carrara, or that obtained in Vermont, and building stone, all of them in large quantities near the surface. Gold has also been found in the same region, but not as yet in quantities sufficient to pay well. Mica is also found in considerable quantities, and is very profitably worked.

On the north shore of Lake Huron are the celebrated Bruce mines of copper, from which ore and metal to the value of about £50,000 are exported annually. Silver is found on the shores of Lake Superior, particularly in the neighbourhood of Thunder Bay. Silver Islet, a small island in this bay, contains one of the richest veins of this metal ever discovered. There are other veins on the mainland almost, if not quite, as rich.

Petroleum is got in the westerly part of the Province in immense and apparently inexhaustible quantities.

Salt is obtained at Goderich and the neighbourhood, in the shape of brine, from wells sunk to a great depth below the surface.

Large peat beds exist in many parts of the Province, and the manufacture of peat for fuel is now being carried on by two companies, the Anglo-American and the Ontario.

Education.

One of the chief attractions of Ontario as a home for immigrants is its admirable system of Public Education. This has been brought to its present perfection by much care and study. The systems prevalent in the most advanced countries of Europe have been carefully studied, and their best points appropriated.

The public schools are all free. All resident children between

the ages of five and twenty-one years are allowed to attend them, and the children of all classes are educated therein without distinction.

The public schools are non-sectarian. The children of all denominations are admitted without distinction.

The school funds are derived from four different sources. 1. The sale of lands set apart for school purposes, from the proceeds of which sale is paid the legislative grant, which is apportioned among the schools, according to school population, and is used only for the payment of teachers' salaries; 2. Municipal assessment; each city, town, or county is to raise by assessment an amount equal at least to the legislative grant; 3. Money received from the Clergy Reserve Fund and other sources. 4. Trustees school assessment.

The schools are governed by trustees elected from and by the ratepayers of the district; and it is imperative on the trustees of each school to levy a tax on the rateable property within their section sufficient to supply any deficiency that may be required after obtaining the legislative and municipal grants.

Manufactures.

The almost unlimited supply of water power throughout Ontario affords facilities for manufactures to which that power is adapted, and in consequence various descriptions of industry are springing up in all directions. Steam power is also used to a large extent. The principal articles manufactured are cloth, linen, clothing, leather, furniture, sawn timber, flax, iron and hardware, paper, soap, cotton and woollen goods, steam engines and locomotives, wooden ware of all descriptions, agricultural implements, etc.

Special Inducements.

Persons of moderate but independent means, who are living on the interest of their money in England, could double their incomes by settling in Ontario, where from seven to eight per cent. can easily be obtained for investments on first-class security. Add to this that living and education are much cheaper than in the Old Country, and it will be at once obvious how great are the advantages Ontario offers to this class of persons, and especially those with families.

Another class of persons to whom Ontario offers special inducements are tenant farmers who are ambitious of changing their condition as leaseholders to that of freeholders. Improved farms

can be bought in Ontario for the amount of capital necessary to carry on a leased farm in Great Britain, thus placing the well-to-do farmer in a position of independence.

QUEBEC.

THE Province of Quebec comprises a territory of 210,000 square miles or 129,000,000 acres of land, divided in this way :

Conceded in fiefs.....	10,678,981
In full and common socage...	8,950,953
Surveyed into farm lots.....	6,400,000
	26,029,934
Still to be surveyed	102,970,066

This Province was originally settled by the French. The first English settlers who really fixed their home in Quebec were the United Empire Loyalists, whom the War of Independence in the United States caused to emigrate to Canada. To recompense their allegiance the British Government granted them magnificent grants of land in the Eastern Townships in Quebec, and in the peninsula formed by the great lakes of Ontario. In this way there exists to-day in the Province a mixed population consisting of French and English speaking people.

Education.

In order to make clear the social features of the Province we shall illustrate first the system of education. The Minister of Public Instruction controls and directs public instruction in this Province. This important public functionary is assisted by a council of twenty-one members, fourteen of whom are Catholics and seven Protestants. If at any time ten Catholic or five Protestant members of the council shall be of opinion that their respective educational institutions should be separately managed, in that case the law provides for separation; and it then resolves itself into two, so that the members of the different religious creeds shall have the exclusive management of the schools of their respective denominations. Nothing indicates a desire to put into operation this clause of the law which provides for separation; on the contrary, the most friendly relations exist among the gentlemen of different religious denominations who constitute the council.

Primary education is obligatory, in so far as every tax payer is bound to contribute to it a moderate sum. The sum levied is equal in amount to the school grant allowed by the Government to every municipality in the Province. Besides this, heads of families have to pay a monthly fee, varying from five to forty cents, for every child between the ages of 7 and 14 capable of attending school. There are annually allowed to poor municipalities \$8000. Primary schools are placed under control of commissioners elected by the rate-payers of each municipality.

In municipalities where there exist different religious denominations the school commissioners of the majority govern. If the minority are not satisfied with their management as it concerns them specially, they may signify their dissent to the president of the school commissioners, and select trustees to direct their own schools. Thus the minority, be it Catholic or Protestant, has no fear of being oppressed.

There are special schools, called normal schools, supported by the state, wherein school teachers are trained. There are three in Quebec, two Catholic and one Protestant. There are to-day in Quebec close upon 4,000 primary schools wherein elementary instruction is given to quite 200,000 pupils; and nearly 300 secondary and model schools attended by at least 40,000 pupils. These schools are maintained at a joint cost of quite \$1,000,000. Inspectors connected with the education department visit the schools of the district to which they are appointed to assure themselves of the competency of the teachers and the efficiency of their management. Besides these schools of primary instruction there are special schools, lyceums, commercial schools and schools of agriculture. These number about 150, and are attended by 3,000 pupils.

There are, besides these, wherein the classics are mainly taught, fifteen superior schools in the Province. Twelve are Catholic and three Protestant. The Catholic colleges owe their existence to the generosity of the clergy. In the majority of cases the professors are ecclesiastics, who follow their course of theology while they act as teachers, and are content to receive a remuneration of \$40 per annum, besides board and lodging. This explains the low rate paid by pupils for tuition and board, which does not reach the sum of \$100 per year. Hundreds of young men, devoid of means, have been and are educated gratuitously in these schools. Owing to these facilities, education of a very superior order is very widely extended in this Province.

There are three Universities in Quebec, two of which are Protestant—McGill College, founded in 1827; and Bishops College, Lennoxville, founded in 1843 by his Lordship Bishop Mountain.

The Catholic University, Laval, like the English ones, is incorporated, but, beyond this, has nothing in common with them. It was founded in 1854 by the Seminary of Quebec, which spent in the undertaking \$300,000, and now maintains it at its own expense, without State aid.

Religious and Charitable Institutions.

These institutions form one of the chief features of Quebec. With the earlier missionaries came the *Sœurs Hospitalières* to care for the sick, and the Ursulines and Sisters of the Congregation followed to attend to the educating of the rising generation, and assist in civilizing the Indians. These institutions, endowed by the State or by private individuals, have gone on multiplying and meeting the requirements of progress.

By the side of the Catholic institutions have grown up and prospered those of other religious communities, between which and the Catholic institutions no rivalry exists, except in doing good. The Government of the Province devotes a considerable portion of its revenues, about \$160,000 a year, to the support of charitable institutions. These short sketches of the system of education and charities in Quebec are amply sufficient to illustrate the spirit of broad humanity and fair-play existing in that Province.

Population and Climate.

At the last census, taken in 1871, the population of Quebec amounted to 1,191,516 souls; of these 929,817 were of French origin, 69,822 of English, 49,458 of Scotch, 123,478 of Irish, and the remainder of other origins.

Classified according to religion, the population of the Province is composed of 1,019,850 Catholics and 171,666 Protestants.

The rigor of the winter in Canada is very much exaggerated in Europe, and so often advanced as an objection to the country that we shall allude to it to show that it is not what it has been represented. The climate of Quebec is the most healthy in North America; and, perhaps, its people are the hardiest and most vigorous.

The snow of Quebec is most favourable to agricultural operations. The ground enjoys rest for at least five months of the year, and winter imparts to the soil that vigor which promotes a sudden and full vegetation. In point of quality and quantity the crops will compare favourably with those of other parts of the continent. Quebec is distinguished for the excellent quality of its apples. The melon and tomato grow luxuriantly, and ripen in the open air.

Indian corn, hemp, flax and tobacco, when grown, yield a good return. Hemp and flax can be cultivated to any extent in the Province of Quebec. Another instance which will show the climate of Quebec cannot be so severe is that sparrows may be seen during the winter season, no matter what weather, flitting about. The summer of Quebec is equal to that of Toulouse; and fever and ague are unknown in the Province.

The Soil and its Productions.

The soil of the Province is extremely rich, and susceptible of the highest cultivation. It is adapted for the growth of very varied products; cereals, hay and green crops grow everywhere in abundance where the land is at all fairly tilled. Cattle breeding is being carried on on a very large scale, and within three years there has been exported from Quebec to Great Britain large quantities of dead meat and cattle, not exceeded by the best English breeds. For pasturage the lands of Quebec are of special excellence, particularly those in the Eastern Townships and north of the Ottawa. The impulse given to agriculture by the active co-operation of the Government is working great benefit and leading to strides little dreamt of five years ago.

Territorial Divisions and Municipal Institutions.

As regards civil matters Quebec is divided into parishes, townships, counties and districts. There are sixty counties in the Province. For judicial purposes the Province is divided into twenty districts. The functions of the municipal institutions are the keeping in repair of roads, bridges, and public works of a purely local character, and the maintaining laws favourable to agriculture.

The affairs of the parish are regulated by five or seven councillors elected by the ratepayers. A mayor presides over their deliberations, and great care is taken that no unnecessary expenses are incurred.

Agriculture.

The great bulk of the rural population live by agriculture. The extent of the farms generally is 100 acres; farms in the older settlements being worth, as a rule, from \$2,000 to \$4,000. The sons of farmers invariably push back into the new settlements, where a partially cleared farm may be purchased for about \$200; or purchase a lot from the Crown Lands at a cost of between 30 or 40 cents (1s. 3d. to 2s. stg.) per acre; or take a *free grant* along one of the

colonization roads. There are five main centres of colonization :—
THE VALLEY OF THE SAGUENAY—The extent of land surveyed and disposable in this district is about 616,600 acres, the price of which is about 20 cents (10d. stg.) per acre; **THE VALLEY OF THE ST. MAURICE**—There are in the Townships of this district surveyed, divided into farm lots, 441,200 acres of land for sale at 30 cents (1s. 3d. stg.) per acre; **THE VALLEY OF THE OTTAWA**—The number of acres surveyed and divided into farm lots actually to be disposed of in this district is 1,358,500 acres, the price of which is 30 cents per acre; **THE EASTERN TOWNSHIPS**—In this rich grazing district there are 922,300 acres of wild land, which the Government is prepared to sell at a moderate rate. The Government lands in this section sell at from 50 to 60 cents (2s. 1d. to 2s. 6d. stg.) per acre. **GASPÉ**—In this district the Government offers for sale 491,100 acres of land, at the rate of 20 and 30 cents (10d. to 1s. 3d. stg.) per acre. Besides this, on the south shore of the lower St. Lawrence, the Government offers for sales 1,423,200 acres, at 30 cents (1s. 3d. stg.) per acre.

In the case of a purchaser of wild lands the condition of sale are : to pay one-fifth of the purchase money at the date of sale, and the remainder in four equal annual instalments, with interest at 6 per cent. per year; to take possession of the land sold within six months from the date of sale, and to reside on and occupy the same, either by himself or through others, for at least two years from the date of sale. In the course of the first four years the settler must clear and place under cultivation at least ten acres for every hundred acres held by him, and erect on his farm a habitable home of the dimensions at least of sixteen feet by twenty feet. In the case of free grants the exceptions are trifling. Possession must be taken within a month, and twelve acres must be under cultivation at the expiration of four years. The Crown Lands agents are obliged to grant a permit of occupation for 100 acres to any person who claims the same, provided only the person has attained the age of 18. And further to protect the settler a law was passed in 1868, providing that no mortgage should be valid on the land granted to him, nor his farm liable to be sold judicially for any debt contracted by him previous to his entering upon it, and for the ten years following the granting of letters patent. The following among other things are declared exempt from seizure for sale judicially :

“The bed and bedding of the family, the wearing apparel, stoves, knives and forks, spoons, spinning-wheels, weaving looms, etc., etc., the fuel, meat and vegetables for family use, two horses, four cows, six sheep, four pigs, hay and forage necessary for the support of these animals during the winter; vehicles and other

implements of agriculture." Certain of these articles may be attached, however, but only when the debt is contracted in the purchase of such articles. This protection is an evidence sufficiently strong of the interest taken by the Government in the settler. Independently of these provisions societies exist everywhere for the benefit of the agriculturist, and colonization societies, whose duty it is to promote settlement and protect the settler, are largely subsidised by the Government.

Last year a law was passed, which shows the desire of the Government of Quebec to make emigration and colonization go hand in hand. It provides that \$60,000 shall be set aside as a colonization fund, out of which the Commissioner of Agriculture, under authority, may cause a certain number of lots of 100 acres each to be prepared, in designated townships, to be offered to settlers who appear to be in a position to succeed.

The preparation of such lots to consist in the clearing of four acres ready for sowing and the construction of a dwelling not less than sixteen feet by twenty feet. The cost of the work, including price of land, not to exceed \$200 for each lot. Price of the land to be paid for in the usual manner, according to conditions above stated. The cost of the improvements to be paid in five other consecutive yearly payments to become due after the payment of the land, without interest until maturity of each payment. The settler in one of the districts where these advantages are offered has the option of making himself, on his lot, the four acres of clearance, and of building a home not less than 16 feet by 20. In such case he shall receive, as an advance, the price of these improvements. This advance shall be paid in five yearly instalments, exigible only after the price of the land shall have completely fallen due.

Manufactures, Trade and Commerce.

The advantages offered for manufacturing by the Province of Quebec are very great. The small manufacturers of Europe, who are unable to cope with the large capitalists, would find in Quebec immense advantages. The principal articles manufactured in the Province are cloth, linen, furniture, leather, sawn timber, flax, iron and hardware, paper, chemicals, soap, boots and shoes, cotton and woollen goods, etc., etc., and all descriptions of agricultural implements.

Mines and Fisheries.

The richest and most varied ores are found in quantities in Quebec. Gold is found in the district of Beauce and elsewhere,

copper abounds in the Eastern Townships, and iron is found nearly everywhere. Lead, silver, platinum, zinc, etc., etc., are found abundantly also. Mining, however, in this Province is only in its infancy. The exports from the mine amounted in 1876 to \$365,546. The total exports of produce of the mine for that year in the whole Dominion were \$3,731,827.

The fisheries of the Province are a great boon to the settlers along the rich lands girding the coast, and beginning to be a very rich source of trade. The total yield of the fisheries in Quebec in 1876, according to the report of the Department of Fisheries, \$2,097,667.

Means of Communication.

The rivers during navigation afford a cheap and easy mode of locomotion. The Province besides is everywhere traversed by large main and side roads, and every year the Government spends large sums of money in the construction of colonization roads leading up to new settlements. A network of railways is being built north and south of the river St. Lawrence, placing the most distant hamlets in proximate relation to the markets of Canada and the United States. Where the distant settlements are removed from railway communication the main roads or large colonization roads come into service, and enable the farmer to bring to or carry from his home what he requires for use, or the surplus he has to dispose of. But he has little trouble in disposing of his surplus, as hawkers during the winter buy in all sections of the country for Canadian and American markets.

General Information.

The most important trade in Quebec is the lumber industry, and this affords nearly everywhere a ready market for the farmer, certainty to the new settler, and in the winter season employment for himself and his horses. The value of exports of the produce of the forest from the Province of Quebec in 1876 was \$11,047,082. It is well to state that aliens have a right to acquire and transmit by gratuitous or onerous title, as well as by succession or by will, all movable and immovable property in the Province of Quebec in the same manner as British-born subjects. It is well also to remark there is no Government tax in Quebec; the Province has a large surplus out of which it undertakes and builds all the public works necessary. Owing to the judicious expenditures of money by the Government the progress made by Quebec has been something wonderful. In conclusion it may be fairly stated that Quebec is a good field for immigration. The Government having

129,000,000 acres of land at its disposal, performed the best service a Government can by making an effective survey. Having divided into farm lots 6,400,000 acres of land, it next caused the greater part of this territory to be traversed by colonization roads, founded agricultural societies, and enacted a law to give aid to intending settlers. It has laid the basis of a most important railway communication; spends thousands of dollars, also, yearly in promoting education. There are no questionable titles in Quebec, so that the purchaser from the crown has nothing to fear. In common with Canada, Quebec shares in a perfect postal and telegraph system. There are also Government savings banks where a depositor may obtain 4 and 5 per cent. for his money with the most perfect security. Those who settle in Quebec will settle in the central commercial Province of the Dominion of Canada, and among a most orderly and law-abiding people.

NEW BRUNSWICK.

In our sketch of this fine Province we will draw largely from a broad sheet, with map attached, issued, with the approval of the Government of New Brunswick, a short time ago. One of the Provinces of the Dominion, New Brunswick is governed in all local matters by a Lieutenant Governor, advised by an Executive Council, with a Legislature, composed of a Legislative Council, and a House of Assembly consisting of 41 members, elected to represent the several counties.

New Brunswick borders the Provinces of Nova Scotia and Quebec and the State of Maine (one of the United States of America), and is, with Nova Scotia, nearer Europe than any of the populated portions of the continent of America. It is larger than Belgium and Holland united, and nearly two-thirds as large as England. It is 210 miles in length and 180 miles in breadth, and has a coast line of about 500 miles indented with spacious bays and inlets, and is intersected in every direction with large navigable rivers. It is generally a flat, undulating country. On its north-west coast from the Bay of Chaleurs to the boundary of Nova Scotia, 200 miles, there is hardly a hill exceeding 300 feet in height. There are some elevated lands skirting the Bay of Fundy and the River St. John, but the only section of a mountainous character is that bordering on the Province of Quebec, on the north, where the country is beautifully diversified by oval-topped hills ranging from 500 to 800 feet in height, clothed with lofty forest trees almost to their summit, and surrounded by fertile valleys and table-lands.

Counties.

New Brunswick is divided into fourteen counties, classified as follow:

1st. The sea-board counties, or those on the Bay of Chaleurs, Gulf of St. Lawrence and Straits of Northumberland, comprising Restigouche, Gloucester, Northumberland, Kent and Westmoreland. 2nd. The sea-board counties on the southern or Bay of Fundy coast, comprising Albert, St. John, and Charlotte. 3rd. The inland counties on the St. John River, comprising King's, Queen's, Sunbury, York, Carleton and Victoria.

Rivers.

An inspection of a map will show that the surface of the Province is everywhere intersected by rivers and streams, adding to the fertility of the soil and furnishing easy access to every locality. The principal river is the St. John, which is 450 miles in length. It is navigable for steamers of large class for 84 miles from the sea to Fredericton. The steamers running between St. John and Fredericton almost equal in magnificence the splendid steamers that ply on the great American rivers. Above Fredericton, smaller steamers ply to Woodstock, about 70 miles further, and when the water is high they make occasional trips to Tobique, a further distance of 50 miles, and sometimes they reach Grand Falls, a distance of 220 miles from the sea.

Into the St. John flow numerous large tributaries navigable to various distances: these are the Kennebecasis, the Washademoak, the Grand Lake, the Oromocto, the Tobique and the Aroostook.

The Miramichi is a large river navigable for vessels of 1,000 tons for 25 miles from its mouth, and for schooners 20 miles further, above which for 60 miles it is navigable for tow-boats. The Restigouche is a noble river, 3 miles wide at its entrance into the Bay of Chaleurs, and navigable for large vessels for 18 miles. This river and tributaries drain about 4,000 square miles of territory, abounding in timber and other valuable natural resources. Besides these rivers, there are the Richibucto, the Petitcodiac and the St. Croix, all navigable for large vessels.

Climate.

In New Brunswick the summer is warmer and the winter colder than in England, the ranges of temperature being in the interior from 92° above zero to 18° below zero (Fahrenheit); the whole number of days, however, in which the temperature is below

zero rarely exceeds twenty. It seldom happens that more than four days occur together when the mercury is below zero at all. In general the winters are pleasant, and a few days of extreme cold is nothing in comparison with the average amount of fine weather. People living in New Brunswick do not suffer more, if as much, from cold as those who live in Great Britain and other countries where the winters are more humid and the temperature less steady. All business is carried on as actively in winter as in summer, and the people do not wear more nor different clothing than that worn in England and the rest of Northern Europe.

The winter is fairly established at Christmas. In January, as in the other North American colonies, there is the usual thaw; in February there is the deepest snow, which seldom exceeds two feet; in March the sun acquires great power and the snow begins to melt. The snow disappears early in April, and spring ploughing commences; seed time continues, according to the season, from the last week in April till late in May. In June the apple trees are in full blossom. In July wild strawberries of fine flavor are ripe and abundant. Haying then begins. In August early potatoes are brought to market, as also raspberries and other wild fruits. In September oats, wheat and other cereal grains are ready for the sickle; these are generally secured before October. The autumn is long and the weather is then delicious. This is decidedly the most enjoyable part of the year. There are usually heavy rains in November, but when not wet the weather is fine and pleasant. The rivers generally close during the latter part of this month, and by the middle of December winter again fairly sets in.

The operations of the New Brunswick farmer are less impeded by rain than those of the English farmer, and there are more days in which he can profitably work out of doors; while the action of winter upon the soil, by raising up and spreading the particles, is such as materially to lessen the labour necessary to bring it into a proper state of tillage.

The manner in which all root crops thrive is remarkable, and the frost, by opening and pulverizing the soil, is one of the agents by which the large product is brought about. The climate is also well adapted for the rearing of cattle. With proper care they not only winter well but gain size and flesh. Large numbers of cattle are raised yearly for the United States market.

All the fruits generally found in England are grown in New Brunswick, especially apples, pears, plums, cherries, currants, gooseberries, and strawberries. The potatoes, of which the land yields very abundantly, are superior to any in America. Of wheat,

he average produce to the acre (of superior farming) is 20 bushels, of barley 29 bushels, of oats 34 bushels, buckwheat 33 bushels, of rye 20 bushels, of Indian corn 41 bushels, potatoes 226 bushels, or $6\frac{1}{2}$ tons, turnips 456 bushels or $13\frac{1}{2}$ tons. "Of the climate, soil and capabilities of New Brunswick," says Major Robinson, R.E., in his report of survey to the British Government, in 1845, "it is impossible to speak too highly,"—and Professor Johnson, F.R.S., of England, the author of several works on agricultural industry, reporting on the soil and agricultural capabilities of the Province, remarks:

"That the soil of New Brunswick is capable of producing food for a population of from five to six millions.

"That in the capability of growing all the common crops upon which man and beast mainly depend, it would appear that the whole Province of New Brunswick taken together exceeds even the favored Genesee Valley and the southern shores of Lake Ontario in the State of New York, and exceeding New York, in productiveness, it will exceed in the States of New England; and if, as appears from agricultural returns, it will bear a favourable comparison with 'Ohio' and Upper Canada (Ontario), it becomes doubtful, on the whole, how far the Western States are superior to it.

"That the climate is an exceeding healthy one, and that it does not prevent the soil from producing crops which, other things being equal, are not inferior either in quantity or quality to those of average soils in England."

Large blocks of choice farming land have lately been laid off by order of the Government, from which *free grants* of one hundred acres can be obtained by every head of a family containing children under 18 years of age, on condition of actual settlement.

New Brunswick occupies a prominent place in the Maritime Provinces of the Dominion as a fish-producing country. The value of the fish caught and cured, and material, in 1876 was, according to an official return, \$1,953,388.49.

Industries of the Province.

Situated on the sea, with forests of superior ship timber, New Brunswick has long been celebrated as a ship-building country, and with furnishing vessels remarkable for their model, strength and durability. With a population in 1871 of 285,594 souls, she had in 1876, on the Registry books of the Dominion, at December 31st, 1,154 vessels having an aggregate of 324,513 tons.

The manufacturing interest of the Province has greatly increased during the past few years. Establishments of woollen and cotton

goods, boots and shoes, leather, lumber, furniture, carriages, doors, sashes, stoves, paper, soap, agricultural implements, stoves, nails, steam-engines, locomotives, etc., etc., are in successful operation, and yearly multiplying, giving employment, directly and indirectly, to thousands.

General Information.

New Brunswick appropriates a large sum annually from the public revenues to educational objects, ranging from common schools to a Provincial University. The common schools, *free to all*, are supported from the Provincial revenue, and by rate upon the entire property of the country.

Postal arrangements are excellent. Telegraphic communication is found all over the settled portion of the country by connections with the United States and Canada, and by Atlantic cable with Great Britain and the Continent of Europe.

New Brunswick has perhaps the greatest number of miles of Railway, in proportion to population, of any country in the world—connecting the capital, St. John, with Halifax on the Atlantic, with Pictou on the Gulf of St. Lawrence, and all the cities and towns of the United States by lines *via* Bangor, and with Quebec, Montreal and other places in Canada by the Intercolonial Railroad. Besides these, there are the River du Loup line *via* Fredericton and Woodstock, to the great river St. Lawrence, and several inter-provincial lines of considerable importance.

The best season of the year for emigrants is the early spring, arriving in New Brunswick about the middle of April, when the weather is fine, and farming operations commence.

NOVA SCOTIA.

The first European settlement of Nova Scotia by the British commenced under the auspices of Lord Cornwallis in 1749. The population of the Province, according to the census of 1871, was 387,800. The chief city, Halifax, contains about 35,000 souls. Nova Scotia, which is now part of the Dominion of Canada, is described, in a little work issued under the authority of the Government of that Province, as "a Peninsula, lying between 43° and 46° north latitude, and 61° and 67° west longitude. It is connected with the Province of New Brunswick by a narrow isthmus about 16 miles wide; its area is about 300 miles in length by 80 to 100 miles in width. Its length running about north-

east and south-west. The Province contains about 13,000,000 acres of land, of which about one-fifth part consists of lakes and small rivers. About 5,000,000 acres of land are fit for tillage; the remainder, which is chiefly a belt on the coast of the sea, is rocky and barren, and presents to a stranger visiting our shores a very rough, rugged and sterile appearance; but the interior of the country is not so. From the appearance of the coast no idea can be formed, could scarcely be imagined, of the beauty and fertility of the interior." The coast, although rugged, is indented with numerous deep-water harbours, most of which are easy of access, safe and commodious.

Climate.

The climate of Nova Scotia, contrary to the general impression in Europe, is more temperate than that of any other part of Canada, or even that of some of the Northern and Eastern States of the American Union. The extreme cold which is experienced in winter in other parts of America is not felt here, owing perhaps to the fact that the Province is almost completely surrounded by the sea, and that the Gulf stream sweeps along a few miles of its southern shore; and, further, that the Province is protected from the chilly north winds by an almost continuous belt of mountains, or very high hills, stretching along its northern side. The Province affords great variety of climate as well as productions, the average temperature of Annapolis county being 8° higher than in the counties of Cape Breton, and 6° warmer than in the State of Massachusetts. In the central part of the Province the mercury seldom rises above 85° in summer in the shade, and in the winter it is rarely down to zero. "The climate is extremely healthy; there is probably none more so in the world. The health returns from British military stations place this Province in the first class."

The Soil and its Productions.

The fertility of the soil in several of the agricultural districts is unsurpassed, the production of the farms, both in quantity and quality, in many cases excelling those of the Mother Country. The western counties of Nova Scotia excel in the growth of fruit, especially in apples, for which the soil and climate are specially adapted. Annapolis, Kings, Hants and Digby counties occupy a prominent place in their production, about 50,000 barrels of apples having been exported from Annapolis in a single year.

"All the small fruits, such as currants, gooseberries, straw-

berries, raspberries, blackberries, blueberries, huckleberries, cranberries, etc., are very abundant, both in a wild state and cultivated. The markets of Halifax and the small towns are well supplied with them in their season. Our wild strawberries, though small, are remarkably rich and high flavoured, indeed they are far more delicious than any of the cultivated sorts. The cultivation of this fruit seems to increase the size at the expense of the flavour. The grain and root crops are also excellent; the average production in the Western counties is, as nearly as can be estimated, as follows :

Wheat per acre.....	18 bushels
Rye " "	21 "
Barley " "	35 "
Oats " "	34 "
Buckwheat "	33 "
Indian Corn (Maize)	42 "
Turnips.....	420 "
Potatoes.....	250 "
Mangold Wurzel.....	500 "
Beans.....	22 "
Hay.....	2 tons

" The above is a general average of the crops in three counties, but there are many farms which, being highly cultivated, produce crops that are much larger. Beets, carrots, parsnips, beans, peas, squash, pumpkins, melons, tomatoes, etc., are grown in large quantities. The crops of hay, timothy and clover, and coarse 'salt grass' that are raised on the dyke lands and marshes in the counties of Hants, Kings, Annapolis and Cumberland are something almost incredible. Four tons of 2240 lbs. of timothy and clover have been taken off a single acre, besides a light second crop late in the season."

Dairy farming, which is profitably prosecuted in many counties of the Province, is susceptible of great extension. Of late manufactures of butter and cheese, on a pretty large scale, have been established in various localities, in which the farmers in the neighbourhood have an interest and participate in the profits. Much of the profit of the farm arises from the raising of stock for the slaughter house, and praiseworthy efforts have been made to improve, by importations from abroad (chiefly from Great Britain) the breeds of cattle sheep, and swine. Pasturage is generally good throughout the Province, and the principal cost of raising stock is that of the hay for winter food, which is not very expensive. Sheep farming is not systematically carried on, although, as Mr. Morrison, former Commissioner of Immigration for the Province

observes: "As a sheep-raising country there is, perhaps, no better locality in America, notwithstanding which there is not a single sheep farm in the province. Every farmer keeps a few sheep, but the flocks are seldom taken proper care of. A number of thoroughbred shepherds, who would introduce the best breeds of sheep, both for wool-producing and for mutton, would, in a few years, make a small fortune. There is a great deal of land suitable for the purpose in every country, and even among the wild lands there are large tracts of open rough pasture that might be made capable of containing vast flocks of sheep at very little expense.

"Farmers in Nova Scotia raise a good deal of pork for their own use and for market, and many of the farmers' wives obtain considerable pocket money by the sale of poultry and eggs. They also make a great deal of yarn, which they knit and make into socks and warm clothes for their own wear and for sale."

The Fisheries.

The fisheries of Nova Scotia are an important interest for that Province. In 1876, the number of vessels employed was 653, number of boats 9,585, and number of men, 24,142. The quantity of codfish caught was 509,968 cwt., valued at \$2,549,840; of mackerel, 70,964 barrels, valued at \$709,640; of haddock, 13,679,214 lbs., valued at \$820,752; of herrings, 164,142 barrels, valued at \$660,570; of lobsters, 3,348,720 cans, valued at \$502,308. Of fish oils, the quantity obtained was 345,674 gallons, of a value of \$224,688. The total value of the Fisheries of this Province for 1876 was \$6,029,050.

Lumber and Ships.

Nova Scotia contains large tracts of woodlands which produce timber for shipbuilding and lumber, chiefly for exportation. Millions of feet of pine, spruce, hemlock and hardwood, deals, scantlings, staves, etc., are annually shipped from the different ports of the province to the West Indies, United States and Europe. This Province occupies the first position of any country in the world, as a shipbuilding and ship-owning country. The population by the census of 1871 amounted to 387,800 souls, and in 1876, at Dec. 31st, it had on the Registry Books of the Dominion 2,867 vessels, having an aggregate of 529,252 tons; that is, more than a ton and a quarter for every man, woman and child in the Province; and its ships are to be found in almost every part of the globe.

Mines and Minerals.

This Province is remarkable also for its minerals, especially for its deposits of coal, iron and gold. Coal mines are extensively worked in Cape Breton and Pictou, and latterly in the county of Cumberland. A considerable proportion of the quantity raised goes into domestic consumption, the chief exports being to the United States and other foreign ports and to the British North American Provinces. The total coal product for 1876 was 709,646 tons. The quantity of the product of the gold mines in the same year was 12,039 oz. ; of iron ore, 15,274 tons; of gypsum, 80,920. Valuable deposits of high-class iron ore are found in different parts of the Province, which of late have attracted the attention of capitalists, who are erecting furnaces with a view to extensive manufacturing operations.

Government.

Nova Scotia, made a Province of the Dominion of Canada by Act of the Imperial Government, has since 1867 been governed in general matters by the Dominion Parliament, and in local matters by the Provincial Legislature. The chief officer is the Lieutenant Governor, appointed by the Governor General, who is advised by an Executive Council of nine members, several of whom are heads of departments. The Legislative body consists of a Legislative Council of twenty-one members, and a House of Assembly of thirty-eight members, elected by ballot to represent the several counties (18) into which the Province is divided.

Nearly three-fourths of the population are Protestants, the remainder, one hundred and two thousand, are Roman Catholics.

Education, which is very general, is partly supported by direct taxation, supplemented by liberal annual grants from the Legislature, which last year amounted to about \$185,000. At the common schools, which are subject to the control of the Government, the average number of scholars in daily attendance has been estimated at one hundred thousand, and all are free.

The quantity of land at the disposal of the Government is limited, the price \$44 per 100 acres of crown land—free grants being, however, given to *bond fide* settlers.

The price of ordinary day labour is from 3s. 9d. to 5s. sterling. Farm labourers, during spring time and harvest, earn even larger wages, and board besides. The cost of provisions is much lower than in England, the price of flour varying from £1 to £1 10s. sterling per barrel; beef, mutton, veal from 6 to 10 cents per lb. Fish and vegetables are abundant and cheap.

The Province is abundantly supplied with newspapers, a larger number being probably published than in any other country with the same population. The postal arrangements are excellent, and the rates of postage moderate. The electric telegraph is found in every section of the Province, and there is direct telegraph communication with all parts of the Continent of America, and by cable with the Continent of Europe.

There are now, besides the ordinary roads of the country, about 250 miles of railway in operation, connecting the capital of the Province (Halifax) with Annapolis in the West, Pictou in the East, and Cumberland in the North. Other railroads have been commenced, and many more projected lines have been surveyed.

External communication other than by railway is carried on by the Allan, Anchor, and other steamship companies with Europe by steamer; between Halifax and Boston and Portland, also by steamer; with Bermuda and Newfoundland, and with places in Canada, by steamboats that ply in the Gulf of St. Lawrence connecting with railway at Pictou.

PRINCE EDWARD ISLAND.

This Province is situated on the south side of the Gulf of St. Lawrence, between New Brunswick and Cape Breton, and is separated from them by Northumberland Strait, which is from 9 to 30 miles wide. Its extent from east to west is 130 miles, and from north to south 34 miles, with an area of 2,134 square miles. The Island entered into the Confederation of the Dominion of Canada in 1873.

The coast is indented by numerous bays, two of which nearly divide the Island into three parts, and the harbours are numerous. The surface is gently undulating, presenting a charming aspect of hill and dale, and it is well watered with numerous springs and rivers.

The soil is remarkably fertile, and it has more land under cultivation in proportion to its size than any of the other provinces. All kinds of grain, fruit and vegetables do well. Large deposits of what is called "muscle mud" are found in the beds of all the rivers, some of them from 10 to 30 feet deep, and are used as fertilizers, giving very large crops of hay and clover. Potatoes, oats and barley have been the principal staples for export; horses also have been raised in numbers, and are much sought after by dealers from the Northern New England States. The sheep are fine, and are also sought for by New England buyers. Cattle breed-

ing has not yet received much attention, though the pasturage is remarkably good, and both hay and root crops yielding very large returns. It is believed that the Island affords favourable facilities for the breeding and fattening of cattle for export to the United Kingdom.

The fisheries are among the best in the Gulf, and give employment to a large number of men. Shipbuilding is also one of the principal industries.

The climate is temperate and healthy, and fogs do not prevail to the same extent as on the coasts of Nova Scotia.

Farms in good cultivation with buildings and improvements can be obtained for about \$20 an acre.

A submarine telegraph connects the Island with New Brunswick.

There is one railroad on the Island, 198½ miles long. It is under the control of the Dominion Government. Steamers ply constantly between the ports on the Islands and the seaports of Nova Scotia, New Brunswick and New England States. The chief drawback is that during a part of the winter communication is interrupted with the main shore owing to ice blockades.

MANITOBA AND THE NORTH-WEST TERRITORIES.

If the reader will consult the map of Canada he will find in the heart of the continent a vast district, extending westward from the head waters of Lake Superior to the base of the Rocky Mountains, and northward from the United States boundary line to the Arctic Ocean. This region covers over an area 2,750,000 square miles in extent, and is generally known as "The North-West Territories of British America." Down to the year 1870 this immense territory was in the possession and under the control of the Hudson's Bay Company. In that year, by act of the Imperial Parliament, it was transferred to the Canadian Government, and now forms part of the Dominion.

The new Province of Manitoba is formed out of this territory. It contains about 9,000,000 acres of land; but it is comparatively a speck on the map of the vast Territory out of which it has been formed. The soil, which is mostly prairie, and covered with grass, is a deep alluvial deposit of unsurpassed richness. It produces bountiful crops of cereals, grasses, roots and vegetables. So rich and inexhaustible is the soil, that wheat has been cropped off the same place for fifty years without manure, and without showing signs of exhaustion. It is especially a wheat-growing soil, and is

believed to contain the most favourable conditions for the growth of this grain on the continent. Pumpkins, potatoes and roots of all sorts grow to a very large size, and of excellent quality. Strawberries, currants (red and black), raspberries, plums, cherries, blueberries, whortleberries, cranberries (both bush and marsh), grow wild and in abundance. Flax is very luxuriant. The same remark may be made of hops, which grow wild. The wild grasses of the country, which are very nutritious, are particularly favourable for stock-raising of all sorts. Cattle can be fattened in Manitoba, and driven to St. Paul without loss of weight. There are large tracts of woods along the streams. The beet-root grows in great abundance, but the saccharine qualities of the sugar beet grown in that Province have not yet been tested.

Manitoba is situate in the middle of the continent, nearly equally distant between the Pole and the Equator, and the Atlantic and Pacific Oceans. Its climate gives conditions of decided heat in summer and decided cold in winter. The snow goes away and ploughing begins in April, which is about the same time as in the older Provinces of Canada, the Northern United States on the Atlantic Seaboard, and the North Western States, Minnesota and Wisconsin. The crops are harvested in August and September. The long sunny days of summer bring vegetation of all sorts to rapid maturity. The days are warm and the nights cool. Autumn begins about the 20th September, and lasts till November. Then the regular frost sets in. The winter proper comprises the months of December, January, February and March. Spring comes in April. The summer months are part of May, June, July, August and part of September. In winter the thermometer sinks to thirty and forty degrees below zero; but this degree of cold in the dry atmosphere of the North West does not produce any unpleasant sensations. The weather is not felt to be colder than that in the Province of Quebec, nor so cold as milder winters in climates where the frost, or even a less degree of cold than frost, is accompanied with dampness. In times of wind storms, however, the cold is found to be specially searching. The testimony of settlers is universal as to the fact that the winter is, on the whole, both pleasant and healthy; and former residents of both Ontario and Quebec state that they like it quite as well as that of those provinces.

Snow does not fall on the prairies to an average greater depth than eighteen inches, and buffaloes and horses graze out of doors all winter. They scratch the snow off the prairie grass and grow fat upon it. Horned cattle do graze out of doors part of the winter, but in some states of the weather they require to be brought in. Instances are, however, stated in which horned cattle have grazed out all winter.

Heat and humidity are the two chief elements of climate, and these two divisions of the North West, the prairie and wooded, have high summer temperatures and heavy summer rains. South of the parallel of Manitoba lie the regions of summer droughts and great heat—producing the immense deserts over the western territories of the United States. The abundance of rain in British America, with summer temperatures sufficient to mature all the great staples of the temperate zones, makes it a good agricultural country. The absence of summer rains, with high temperatures, leaves vast areas of the interior of the United States barren wastes, especially those parts of the country westward from the 100th meridian or west of the Missouri. The following table will serve for comparison between the summer temperatures of the Red River and the countries south:

	<i>June.</i>	<i>July.</i>	<i>August.</i>	<i>Summer Mean.</i>
Red River.....	69.10	71.16	63.03	67.76
Chicago.....	62.7	70.08	68.05	67.03
Iowa.....	66.4	70.05	68.09	68.06
Wisconsin.....	61.7	68.06	65.07	65.03
New York.....	64.2	68.05	66.07	66.05
Toronto.....	64.2	67.95	65	66.93

It will thus be seen that the summer is warmer than that of Northern Illinois, Western Wisconsin, Northern New York or Toronto. In relation to agriculture the intensity of winter cold is not injurious, but on the contrary it has advantages, and its effect upon physical comfort is mitigated, as above stated, by a clear dry winter atmosphere.

In addition to the above-mentioned enumeration of products it may be more particularly stated that wheat is the special crop of Manitoba. It is not only that the yield per acre is very large, but the hard and flinty nature of the grain grown makes it particularly valuable for the manufacture of flour. Flour made from it commands a higher price than that made from wheat grown in more eastern and southern parts of the United States and Canada. Wheat can now be carried from Manitoba to Montreal at prices at which it will pay, and when the Railway is completed to Thunder Bay the rate will probably not exceed 15 or 20 cents per bushel. At this rate of freight it is believed that there cannot be any competition with it by wheat grown in the Eastern Provinces or in the United Kingdom, and its growth will soon attain very large proportions.

As bearing on the particular advantages of Manitoba for the cultivation of wheat, the following analysis of a specimen of the

alluvial soil from the prairie of the Province of Manitoba is given. It is by Professor V. Emmerling, Director of the Chemical Laboratory of the Agricultural Association of the University of Kiel, Holstein, Germany :—

(Translation of Letter to Senator Emil Klotz)

KIEL, 29th April, 1872.

"HON. SENATOR :

"The analysis of the Manitoba soil is now completed, and the result is in 100,000 parts :—

Potash.....	228.7
Sodium.....	33.8
Phosphoric Acid.....	69.4
Lime.....	682.6
Magnesia.....	16.1
Nitrogen.....	486.1

"Yours truly,

(Signed,)

"V. EMMERLING."

(Extract from Letter of Senator Emil Klotz to Jacob E. Klotz, Agent for the Dominion Government.)

"KIEL, 4th May, 1872.

"After considerable delay, I succeeded in obtaining the analysis of the Manitoba soil from Professor Emmerling, Director of the Chemical Laboratory of the Agricultural Association of this place, and hope it may be of service to you. Annexed I give you our analysis of the most productive soil in Holstein, whereby you will see how exceedingly rich the productive qualities of the Manitoba soil are, and which fully explains the fact that the land in Manitoba is so very fertile, even without manure.

"The chief nutrients are, first, nitrogen, then potash and phosphoric acid which predominates there; but what is of particular importance is the lime contained in the soil, whereby the nitrogen is set free, and ready to be absorbed in vegetable organisms. The latter property is defective in many soils, and when it is found defective, recourse must be had to artificial means by putting lime or marl (a clay which contains much lime) upon the same.

"According to the analysis of the Manitoba soil, there is no doubt that, to the farmer who desires to select for his future home a country which has the most productive soil and promises the

richest harvest, no country in the world offers greater attractions than the Province of Manitoba, in the Dominion of Canada.

Analysis of the Holstein Soil and Manitoba Soil compared :

	Holstein Soil.	Excess of Properties of Manitoba Soil.
Potash.....	30	198.7
Sodium.....	20	13.8
Phosphoric Acid.....	40	29.4
Lime.....	130	552.6
Magnesia.....	10	6.1
Nitrogen	40	446.1 "

The facts above stated sufficiently account for the popular experience of the remarkable production of wheat in the Province of Manitoba.

Oats, barley, rye, potatoes, &c., are less restricted in their range, growing five degrees beyond wheat in the Mackenzie River Valley to the Arctic Circle. Barley is a favourite alternate crop for wheat in Manitoba, and yields very large returns—with a weight per bushel of from 50 to 55 pounds. Oats also thrive well.

It has not yet been demonstrated by experiment whether fruit trees, such as apples, will flourish on the open prairie. But it appears from experience in Minnesota that they will in connection with shelter and forest tree planting. There is, however, no doubt that the hardier kinds of apple will do well in Manitoba. This has been sufficiently established.

Although flax and hemp succeed well in Manitoba, the want of markets has prevented their culture, except to a limited extent. Bees do well here, as in similar northern climates, the clear skies and rich flora being favourable for them. They live better through the long, cold, dry winters, and consume less honey than in the milder and more humid winters of more southern latitudes.

The grasses grow rich and luxuriant for twelve hundred miles north of the southern boundary of Manitoba; and far down the Mackenzie River towards the Arctic Ocean immense herds of buffalo feed upon these plains as their chosen pastures. The significance of this fact is a proof of the vast extent of country in the North-West suitable for pastures.

The quality of the beef and mutton raised upon these northern grasses has been pronounced of superior excellence. Among the peculiar advantages of Manitoba, for stock raising and wool-growing, the most prominent are: 1st. The richness and luxuriance of the native grasses; the grass is mainly cut on the swamps and

meadows, which chequer the prairies or fringe the streams and lakes. 2nd. The great extent of unoccupied land, affording for many years to come a wide range of free pasturage. 3rd. The remarkable dryness and healthfulness of the winter. Wool grows heavier, and mutton, beef and pork are sweeter and more juicy. It is nearly forty years since the introduction of sheep into Red River, and no case of any disease attacking them has ever been known or heard of. Well fed ewes produce fleeces from 2 to 3½ pounds. Wethers produce fleeces from 6 to 8 pounds, the wool being of a good quality.

It has been stated that the climate of Manitoba and the North-West is pleasant and healthy. It may be added, the dryness of the air, the character of the soil, which retains no stagnant pools to send forth poisonous exhalations, and the almost total absence of fog or mist, the brilliancy of its sunlight, the pleasing succession of its seasons, all conspire to make Manitoba a climate of unrivalled salubrity, and the future home of a healthy, prosperous people, strong in physical, intellectual and moral capabilities. Fevers and consumptions are almost unknown, and diseases of an epidemical character have been never known to prevail.

The average fall of snow is about six inches per month. The snow falls in small quantities at different times, and is rarely blown into drifts so as to impede travelling.

When the North-West Territory passed into the possession of the Canadian authorities in 1870, the white population numbered only a few hundreds, and the chief place was Fort Garry, a mere hamlet. Since then the Province of Manitoba and a considerable part of the territory have been surveyed. In Manitoba a local Government has been established similar to that of the other Provinces. Fort Garry has become the city of Winnipeg, with a population of about 9000 souls; and it is already a place of considerable business, and contains a number of handsome buildings. The province is filling up rapidly by immigration from Europe as well as by the migration of farmers' sons and others from the older Provinces and from the United States.

That the North West of British America is destined to become the granary of the continent is clear beyond all doubt. Nature has done her share, and done it well and generously; man's labour and industry are alone required to turn these broad, rolling prairies to good account. A drawback at present is remoteness from the older parts of Canada, but this will not last much longer. Already a line of railway, connecting Manitoba with Ontario, is in course of being built; this will be finished in a year or two, and then Manitoba will be in direct communication with the outer world through Canadian territory. Winnipeg is already connected by rail with the United States Railway system.

Another drawback which has been serious in past years is the visitation of grasshoppers. But these have only come periodically, with long intervals between. And there is reason to believe that the evil can be overcome, as settlement progresses.

Taking all the circumstances and surroundings into consideration, there is probably no country more suitable in every respect for settlement by persons from the temperate and northern parts of Europe than the Province of Manitoba.

The common emigrant route for going to Manitoba from the old provinces is via the Canadian Railway system and Lakes Huron and Superior to Duluth. Thence by rail to Winnipeg. There is already communication by steamboat navigation from Winnipeg City, via Lake Winnipeg, and the Saskatchewan, to the very foot of the Rocky Mountains. Railway construction is also proceeding very rapidly within the Province of Manitoba.

A light buggy may be driven for a thousand miles in a straight line over the open prairie, the greater part of which is adapted to the production of wheat, not only in the largest quantity to the acre, but of the best quality.

This tract of country to the east of the Rocky Mountains contains under the surface of its rich prairie land one of the largest coal fields in the world, which in some places crops out of the surface on the banks of the rivers. It is almost impossible to overestimate the importance of this physical fact for the future of the Dominion. The rivers which run east from the Rocky Mountains are rich in gold deposits; and in fact mineral wealth of almost every kind is found in this territory.

The surveys in connection with the Pacific Railway have established the fact that the Peace River Valley contains an immense extent of territory, with climate and other conditions, highly suitable for an agricultural country, as far north as the 59th degree of latitude.

BRITISH COLUMBIA.

The Province of British Columbia is the most western of the group of provinces which constitute the Dominion of Canada, and has a coast line of about 500 miles on the Pacific Ocean, with innumerable bays, harbours and inlets. It has an area of 220,000 square miles. The harbour of Esquimaux is the best on the Pacific north of San Francisco. It has an almost even depth of 36 feet, with an excellent bottom, and it is perfectly safe and sheltered. It is well lighted, and may be entered with facility at all times. Only a tongue of land, 750 feet wide, prevents free communica-

tion between it and the harbour of Victoria. Still further on the east coast of the Island of Vancouver is Nanaimo, sixty-five miles from Victoria. It is well situated, large and safe. The coal mines are near this port; there are also fine quarries near, and it is very important, as the most convenient port for the fisheries, especially whale fisheries.

Barelay Sound is on the west coast of the Island. It opens into the Pacific Ocean itself, and is about thirty-five miles long. At its head it is only fourteen miles from the east coast, and easy communication may be had with it. The water is very deep, and once in harbour, the shelter is perfect.

The harbours on the mainland are Burrard Inlet, Howe Sound, Bute Inlet, Milbank Sound, River Skeena and River Nass.

Burrard Inlet is situated on the Gulf of Georgia, a few miles from New Westminster. It is nine miles long, deep and safe. It is the port from which the lumber trade is chiefly carried on. It is very easy of access to vessels of any size or class, and convenient depth of water for anchorage may be found in almost every part of it.

Howe Sound is north of Burrard Inlet, separated from it by Bowen Island, and comparatively difficult of access.

Bute Inlet is much farther north, is surrounded with lofty mountains, and receives the waters of the River Hamathec. Valdez Island lies between its mouth and Vancouver.

Milbank Sound, still further north, will become valuable as a harbour, as the gold mines on Peace River attract population.

The River Skeena is now ascended by steam vessels from Nanaimo, and is one of the routes to the Ominica gold mines.

The River Nass, a little further north, is near the frontier of Alaska. It has been ascended by a steamer more than twenty-five miles. It is believed that the region it waters is rich in gold, and both it and the Skeena are valuable for the fisheries.

The Province of British Columbia from its climate and great mineral wealth may be described as at once the Britain and California of the Dominion of Canada. It has also great wealth in its forests and its fisheries, and its harbours are the nearest point on the continent to the heart of the great eastern trade with China and Japan. They are also favoured by the trade winds. It is probable, to judge from the last report (1877) of the Chief Engineer of the Canada Pacific Railway, that Burrard Inlet will be the western terminus.

As respects the agricultural resources of British Columbia the following particulars are condensed from the evidence of Professor John Macoun, as given before the Immigration and Colonization Committee of the House of Commons of Canada in 1875. Mr.

Macoun accompanied the Director of the Geological Survey, in the capacity of Botanist; and also the Chief Engineer of the Pacific Railway, in an exploring expedition across the continent. The following is the substance of his evidence:

"The Island of Vancouver is about 300 miles in length, with an average breadth of about 60, and probably contains 20,000 square miles. Whatever soil I saw was good, but the surface is so much broken by rock that it is altogether impossible to tell the amount of good arable land on the Island. There is no doubt the day will come when Vancouver will support a large population—partly agricultural and partly engaged in mining, lumbering and fishing. The land which is under cultivation around Victoria at present consists of rich bottom land much like the patches of rich soil found among the Laurentian rocks of Ontario. It is generally wet in spring, but, by a proper system of tillage, seed could be sown much earlier than it is at present. When I reached Victoria, May 2nd, 1875, very little spring ploughing had been done, and yet apple trees were in full bloom, and in some places grass was a foot high. The climate is wet in winter and spring, but the summer is dry and very pleasant.

"Vancouver can *never* become an agricultural country; but, with a different class of settlers from those that do the loafing and the grumbling in Victoria, it will become in time a very valuable portion of the Dominion.

"The climate of British Columbia, west of the Cascades, including Vancouver Island and Queen Charlotte's Islands, is wonderfully like that of Great Britain, except that the summers are very much drier. A warm current of water flows *down* the west coast of America, just as the Gulf Stream flows *up* along the coasts of Great Britain, and in its passage warms up the coast from Alaska to the Columbia, and gives to the western slope of the Cascades those forests which are the wonder of the world. The vapour rising from the warm sea is blown inwards, and, becoming condensed by the cooler air of the land, falls in rain or fog upon the slopes and valleys and produces the moist climate of the winter and spring. During the summer months the temperature of the land and sea are slightly reversed, and the land, instead of condensing the vapour, dissipates it—at least, in the neighbourhood of Victoria.

"The Valley of the Fraser below the Cascades is included in this region, and has a climate much like that described above, except that I would expect a wetter summer than there is on the coast.

"Twenty five miles above Yale we pass the outer Cascade Range, and in doing so pass from almost constant rain to the

opposite extreme. About 12 miles higher up we pass over another mountain and reach a region of complete aridity.

"At Lytton we are fairly in the interior basin, and from here to Clinton the waggon road passes through a region where nothing can be raised except by irrigation, and this means can only be employed to a limited extent.

"The road passes through about 70 miles of this country, and during the greater part of the year the ground is scarcely ever moistened by a shower. The river flats and lower hillsides are almost without vegetation. Scarcely anything of a woody nature except 'Sage Bush' can grow, but, as you ascend the hills, bunch grass begins to form a sward, and after attaining a height of about 2,500 feet above the sea the lower limit of the Douglas pine is reached, and above that the forest is almost continuous. It is upon the slopes between the forest and the dry valleys that the splendid grazing lands of British Columbia are to be found. The Nicola Valley is of this nature, and the only soil in it fit for farming purposes is found in the narrow valley along the river, or on the 'benches' to which water can be brought for irrigation purposes. The whole region, from the American boundary on the Columbia by Okanagan and the Shuswap Lakes, Kamloops and north-westward across the Fraser, to and beyond the Chilcoten Plains, is arid, and to a great extent only suited for a grazing country. Taking this section as a *whole*, it is only fit for pasture, but all the level portions on which water can be brought will produce enormously, as the soil everywhere is good, being only deficient in moisture. Owing to the light snow fall and the comparative mildness of the weather, cattle winter out without difficulty.

"The waggon road leaves this section at Clinton, and passes over a very elevated portion as far as Soda Creek on the Fraser. This is a very rough section, but still it is far from being barren; much good land is scattered through it, but not continuously. It is rather a risky business to winter stock on these hills, but still it is done. The greater part of this tract is covered by forest, and hence has a greater rain and snow fall than the lower country. The spring, too, is much later, being nearly three weeks behind that of the Nicola Valley. The spring in the latter valley seems to be about as early as that on the Lower Fraser. Vegetation is about as far advanced on the 1st of May in the Nicola Valley as it is at Belleville, Ontario, on the 24th.

"In the vicinity of Quesnelle the land is comparatively good, and irrigation is unnecessary, although many are of the opposite opinion. Mr. Selwyn brought home with him wheat, oats, barley and timothy which were raised in the neighbourhood, and certainly they were as fine samples as could be produced anywhere

" Taking a retrospective view of the country from this point, I must say that British Columbia does *not* present a field for the agricultural immigrant at present, but will when her mining interests are considered of more importance than at present. British Columbia above the Cascades can *never* export her agricultural products with profit, and whatever is raised in the country must be consumed there. That there is enough good land to raise all the food necessary for a very large mining population is certain, and that the day will come when one will be there is just as sure.

" Between Quesnelle and Fort St. James, on Stewart's Lake, is a wide extent of country (180 miles) with a very diversified aspect and a cool, moist climate. The Valley of the Nechaco River is very wide and perfectly level. On both sides of the river are beautiful prairies and poplar copse wood, and at the time we passed (June 15th) through it, everything looked beautiful and inviting.

" I cannot speak with certainty of the absence or occurrence of summer frosts, but if they should not be severe this would be one of the finest tracts (Nechaco Valley) in all British Columbia.

" The whole country above Quesnelle seems to have a cool, moist climate, and to be more like Quebec in its productions than Ontario. Fort St. James, on Stewart's Lake—the highest point in the district—has always been known to produce garden vegetables, potatoes, barley and oats, but, whether wheat has ever been raised or not, I am unable to say. All this region is an elevated plateau with broken, rocky hills at intervals, but scarcely anything which could be called a mountain. Should the railway pass as far north as the Neshaw, many fine settlements would spring up along the river.

" Labour is much higher than in Ontario, usual prices being from \$40 to \$60 per month. There is no more difficulty in cultivating land in British Columbia than in Ontario, but the price paid for the labour performed is too high. Where irrigation is required the expense must be greatly increased, but the yield is very great in such locations.

" The Chinese monopolize many lines of manual labour, and by so doing prevent the immigration of white labourers. They are the market gardeners, labourers of all descriptions, house servants, cutters of wood, laundry-men, etc., to the whole Colony. One result of this is that the country is not properly developed. These people are only sojourners in the land, and, like many others, remain only for a time and carry their gold away with them.

" What British Columbia wants is a class of men who are not

above manual labour, and who have made up their minds to remain in the country and become permanent settlers. Such men can only be acquired by holding out proper inducements to them for settling in the country.

"That section spoken of as being west of the Cascades and including Vancouver and Queen Charlotte's Islands, is covered with, probably, one of the finest forests in the world. Chief amongst the trees is the Douglass Fir (*Abies Douglasii*), which is the chief forest tree, and which is used throughout the country for building purposes, and for export in the form of deals and spars.

"White Cedar (*Thuja gigantea*) is another giant, and in the valley of the Frazer and up the coast attains to an immense size. The Indians use this wood altogether in the construction of their houses, and in building those large canoes which are the wonder of the eastern people.

"The other trees are a species of Yew, another of Alder, two species of Fir (*Abies Menziesii* and *grandis*); two species of Pine (*Pinus contorta* and *monticola*); two species of maple (*Acer macrophyllum* and *circinatum*); Hemlock Spruce (*Abies Mertensiana*) is a common tree on the mainland; while a species of Oak (*Quercus Gayrrana*) is abundant on the Island, but has not been detected on the continent. An evergreen tree (*Arbutus Menziesii*) is quite common along the coast of the Island, and, both summer and winter, its foliage contrasts finely with that of the sombre-hued Douglas Fir.

"In the second, or arid district, a Pine (*Pinus ponderosa*) takes the place of the Douglas Fir of the coast, and is a very valuable tree, growing to a large size, with clean trunk, and resembling the Red Pine of Ontario very much. The tops of the lower mountains and the sides of the higher ones support a heavy growth of Douglas Fir, but it is far from being the beautiful tree of the coast.

"The timber of the third region is not so good, and consists principally of Poplar and Black Pine (*Pinus contorta*) with occasional groves of Douglas Fir on the higher hills. Black and White Spruce with a little Balsam Fir make up the remainder.

"The soil in the valleys, whether they are narrow or wide, 'benches' or otherwise, is always good. The valleys are partly alluvium and partly the detritus washed down from the hills. Apparently there was a time when the rivers stood much higher than they do now, and the 'benches' which show along their sides were then about on a flood level with the river. Since then the river has successively broken through the barriers which confined it, and left these terraces ('benches') at various heights. The

slopes of all the hills are more or less grassy, and the valleys along their base have scarcely any loose stone upon them in consequence.

"I was in Victoria from the 12th to 28th December, 1872, and from the 2nd to 14th May, last year. While I was in Victoria in 1872, a fall of snow and slight frost took place, and the papers came out next day with an account of the extraordinarily cold weather, and I was led to infer from that, that such weather was not common in winter. Jessamine, roses, and violets were in flower, and everything betokened a mild winter. The summer on the coast is every thing that can be desired, being dry and pleasant.

"In the arid region the spring is about as early as on the coast; the winter is comparatively cold, with very little snow, and the summer is dry and hot. Summer frosts can do no harm in these regions.

"From Clinton upwards the winter is very cold, with a considerable snowfall and frosts extending through the month of May, and possibly into June. I heard of no injury from frosts at Quesselle or any point on the Frazer, but noticed frost on the grass on the 27th May, at or near Soda Creek. From this date until the 4th June, the weather kept cold, but there was no frost. On the 28th June at Macleod's Lake, Lat. 55°, there was a severe frost, and many wild flowers were injured, but nothing was hurt in the garden. This frost extended to St. John's, east of the mountains, but no further.

"One important point in connection with spring or summer frost should be kept in mind: that swampy soil is more liable to injury from frost than dry soil, and a frost occurring in a swampy region is no proof that the surrounding country is liable to suffer from such frost. We all know that in the vicinity of swamps we have slight frosts in many parts of Ontario even as late as the beginning of June, and numbers of farmers can point out spots in their wheat fields injured by them.

"I would expect spring frost in the upper region, but have no knowledge of the fact, other than what I before stated.

"I think that on the whole British Columbia has a very healthy climate, and one that would tend to long life.

"Various species of raspberries, currants, gooseberries, strawberries, and blueberries are found throughout the country. The Oregon grape (*Berberis aquifolium* and *menziesii*) extends all the way from Vancouver to Lat. 55° in the interior, and to Alaska along the coast.

"Perhaps there is no better place in the world for raising fruit than Victoria.

" Apples and pears of a very large size are produced in such abundance that the former can hardly be sold at any price. The orchards are all in the low wet grounds, and will begin to decay in a few years, whereas if they were planted among the rocks where the oak grows, the trees would live longer and probably produce better fruit. I can see no reason why grapes could not be produced in abundance on any part of Vancouver, if the summer temperature is high enough. After the railway is built Vancouver will send immense quantities of fruit into the interior, as it can be raised to any extent and of every kind.

" From the boundary line to Alaska there is not a bay, fiord or river that is not teeming with fish. Salmon are caught in great numbers, both in spring, summer and autumn. Last spring large quantities of fish were being caught at New Westminster for export. An establishment for the canning of salmon has been established there, and it is to be hoped that this is the beginning of a very prosperous business. Salmon ascend the Fraser all the way to Stewart's Lake, which they reach about the month of August; they likewise ascend the Skeena into the Babine Lake, and are caught by the Indians and Hudson Bay Company's people and dried for winter's use. The salmon of Babine Lake are both larger and fatter than those caught in Stewart's Lake, and are therefore brought across to supply Fort St. James with food in winter.

" Sturgeon 700 lbs. weight are often caught in the above-mentioned lakes, and every lake and stream in Upper British Columbia teems with trout of different species, besides many other varieties of less value.

" Of salt water fish I saw the 'Houlican' in the Fraser in myriads last spring. Many were lying dead along the river, and served as food for various animals. Halibut were very plentiful in Victoria, and many other sea-fish. I believe the fisheries of British Columbia, if properly conducted, would eventually be as profitable as those of the Gulf of St. Lawrence.

" About the island of Formosa, on the eastern coast of China, a current analogous to the Gulf Stream is observed moving to the north-east. It passes Japan, and part of it enters Behring's Sea and warms the northern part of Alaska, while the other part is deflected farther to the east, and passes down the West Coast of America, carrying with it the heat necessary to produce the exceptionally warm climate of Vancouver and the West Coast generally. It is this stream which gives the heat and moisture that are the cause of the magnificent forests found from Alaska southwards. The forests of Norway and those of Western America are the product of the two great currents—the 'Gulf Stream' on the east and 'Kuro Siwo' on the west, and sceptics may rest assured that the

value of the West Coast timber far exceeds that of the Eastern Provinces.

"Gold has been found in paying quantities at Okanagan on the American Boundary,—at Shuswap Lakes—at Cariboo—on the Omineca—on the Stickeen—and latterly at Cassiar, and an examination of the map will show that all this gold is produced from mountains lying between the Rockies and the Cascades. Copper, iron and silver have been found at various points in the Cascades, and coal is abundant on Vancouver and Queen Charlotte's Islands. I just mention these and ask: Are these all, or are they merely indications of what is to come? After having travelled over 1,000 miles through British Columbia, I can say with safety that there will yet be taken out of her mines wealth enough to build the Pacific Railway. Consider that gold has been found in paying quantities, at various points, along a northwest line for more than ten degrees of latitude, before you decide that the foregoing statement is that of an enthusiast."

In addition to the above statements of Mr. Macoun it may be remarked that the Geological Survey in connection with the Pacific Railway have established that gold exists over the whole extent of the Province from the Cassiar Mines to the U.S. boundary. And recent quartz workings have developed great richness. The Minister of Mines has shown in his last report that the average number of miners engaged in the gold mines of the province is 3,171; the average earnings per man per year \$663; the yield in 1876 was nearly two million dollars; and the total yield from 1858 to 1876 was \$39,953,618. The output of coal in the year 1876 was 139,191 tons, which was rather less than the quantity sold. The coal of British Columbia is sought for in San Francisco on account of its superior excellence.

As respects lands, the following particulars are taken from a recent publication by the Agent General of British Columbia:

"The soil of British Columbia is at the disposal of the Parliament of the Province, not of the General Government as in the United States.

"*Public Lands.*—The Land Act of 1874 makes most liberal provision for the acquisition by settlers of land, either as Free Homesteads, or by purchase. Land can be secured against seizure.

"*Free Homesteads.*—Heads of families, widows, or single men of 18 years and upwards may obtain free grants of 320 acres eastward of the Cascade range of mountains, or of 160 acres in other parts of the Province. The settler selects his own land, records it in the office of the District Commissioner, the fee for which is two dollars, and at once enters upon occupation. After two years' occupancy, and certain conditions as to improvements having

been complied with, the only expense of 320 acres may be for about thirty

"*Sale of Surveys.*—Land has been duly made, and is open for purchase in one full payment of one acre: payment

"*Unsurveyed Land.*—Unsurveyed, unoccupied, the land survey

"*Tracts of Land.*—Tracts of land for grazing purposes, or for other purposes. Such

but, in that case, the land covered by, but not

not for longer than

"*Mining and Homesteads.*—Mining and Homesteads further

"*Military and Homesteads.*—Military and Homesteads

will give information. Homesteads for wife and child

buildings, who after the registration of 2500 dollars (5

500 dollars (1000 dollars) protected by a

"*Farm Land.*—Farm land, price, from 5

per acre, according to the price of the land

In preceding years, guidance of the Government to lay some particularly favourable

The experience of the Government in bank

been complied with, a Crown grant or conveyance will be made, the only expense of which will be five dollars—so that a farm of 320 acres may be obtained in a beautiful and healthful country for about thirty shillings!

"Sale of Surveyed Lands.—Lands, the surveys of which have been duly made and confirmed by notice in the *Government Gazette*, are open for purchase at the rate of one dollar an acre—to be paid in one full payment, or in two annual payments of 50 cents per acre: payment to be made in two years from time of purchase.

"Unsurveyed Lands.—Persons desirous of purchasing unsurveyed, unoccupied, and unreserved Crown lands must first have the land surveyed by a surveyor approved by the Government.

"Tracts of land near the land actually occupied can be leased for grazing purposes, on terms designed to be liberal to the pre-emptor. Such leased land is liable to be 'pre-empted' by others, but, in that case, the lessee's rent is reduced proportionately.

"Land covered with wild hay can also be leased in the above way, but not more than 500 acres of it to any one person, and not for longer than five years.

"Mining and timber leases will be named under their proper heads further on.

"Military and naval officers in Her Majesty's service are entitled to free grants on certain conditions. The Agent-General will give information.

"Homestead Act.—Most important Act. If a settler have a wife and children, this Act must be dear to him; the farm and buildings, when registered, cannot be taken for debt incurred after the registration; it is free up to a value not greater than 2500 dollars (500*l*. English); goods and chattels are also free up to 500 dollars (100*l*. English); cattle 'farmed on shares' are also protected by an Exemption Act.

"Farm lands in private hands may be bought at almost any price, from 5 dollars (20*s*. English) to 40 dollars (8*l*. English) per acre, according to situation and improvement."

THE EASTERN TOWNSHIPS.

In preceding chapters some general directions are given for the guidance of different classes of settlers. In the present we propose to lay some special facts before the reader relating to a particularly favoured district.

The experienced farmer with a few hundred or a few thousand pounds in bank cannot well make a mistake in settling down in



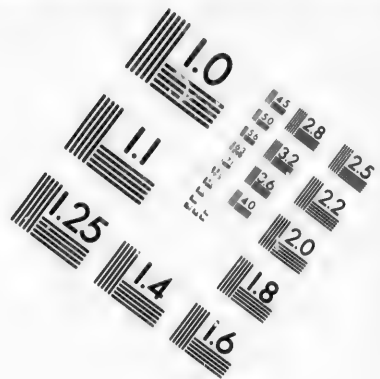
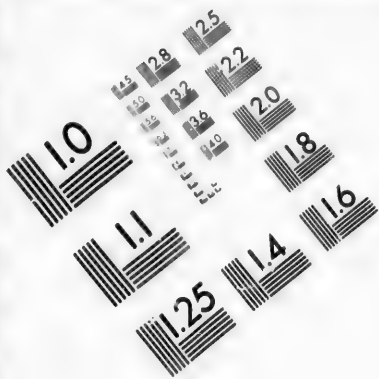
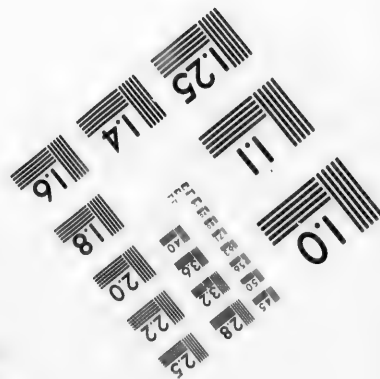
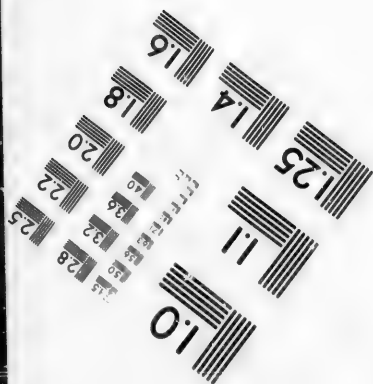
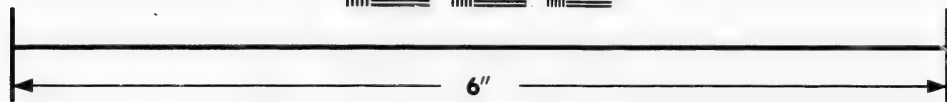
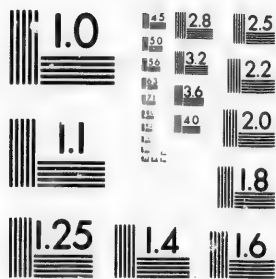


IMAGE EVALUATION TEST TARGET (MT-3)



Photographic
Sciences
Corporation

23 WEST MAIN STREET
WEBSTER, N.Y. 14580
(716) 872-4503

1.5
2.0
2.5
3.0
3.2
3.6
4.0
4.5
5.0
5.6
6.3
7.1
8.0
9.0
10.0
11.2
12.5
14.0
16.0
18.0
20.0
22.0
25.0
28.0
31.5
36.0
40.0
45.0
50.0
56.0
63.0
71.0
80.0
90.0
100.0

10
01
571

any part of the older settlements, provided he exercises an ordinary amount of common sense and judgment in selecting his land. Every province in the Dominion contains within its borders millions of acres of good land, but there are in each province certain spots or districts which are the best of the best, and which, owing to local and special circumstances, present advantages of more than ordinary magnitude. In the Province of Quebec, for instance, there are thousands of square miles of splendid agricultural lands in the Valley of the Ottawa, the Valley of the St. Maurice, and other districts, which in course of time will be brought under cultivation and become dotted over with towns and cities and all the accompaniments of civilization. Yet good and rich as is the land in those districts it is admitted that the garden of Quebec is that magnificent stretch of country locally known as "The Eastern Townships." Farmers and others going from the British Islands to Canada sometimes object to remain in the Province of Quebec, because the vast majority of people of that province are of French extraction. This is an unreasonable objection. As a rule, the French live on most harmonious terms with their Anglo-Saxon neighbours. This is evident from the fact that, in some instances, the French send to Parliament as their representative a man of British extraction. However, even if there were any force in the objection as applied to the Province as a whole, there is none whatever as applied to the Eastern Townships, for the reason that they are for the most part settled by Anglo-Saxons. The language, customs and manners of the people are those of other British Canadians. For these reasons, therefore, as well as others to be mentioned presently, the Eastern Townships present more than ordinary attractions to the agriculturist and capitalist from Great Britain.

A recent writer on Canada in speaking of this fertile district says:—

Few sections of Canada, perhaps, offer greater inducements to the immigrant than the Eastern Townships. The proximity of the townships to the American markets, and the great facilities for shipment to these and the markets of the Dominion afforded by the Grand Trunk Railway,* secure the farmer a certain and ready market.

The general features of the country being hilly, coupled with the abundance of water in lakes, rivers and springs, afford not only sufficient moisture for the crops, but considerable water power for manufacturing purposes.

*Other lines have been opened since this was written, and are now in active operation.

Hardwood is here to be met with everywhere, and, after clearing, a fertile soil is found, in general friable enough, but in all cases well adapted for the cultivation of cereals and green crops. One of the chief causes of the rapid success which crowns the settler in the Eastern Townships is that from these highlands during the first year he may reap a crop; frequently even the ashes of the trees burnt to effect a clearing help to a great extent to defray the expenses attendant upon doing so.

The rich mineral deposits of the townships have within these few years attracted thither a considerable population.

As a grazing country the townships are unsurpassed, and great attention is now paid to the breeding of cattle and the growing of wool. This branch of agriculture is very much encouraged, owing to the profitable markets of the United States, which are almost at the doors of the farmers. Within the last few years the best breeds of sheep have been successfully introduced from England, and not unfrequently at the agricultural exhibitions in the United States, these and the horned cattle from this thriving district have carried off first prizes.

Possessing the advantages of a double market, in consequence of their proximity to the frontier, many of the farmers in the townships cultivate on a large scale. In some cases the farms comprise from 100 to 600 acres. This extensive mode of farming creates a demand for agricultural labour and gives employment to large numbers of labourers at good wages.

"In this district the Government owns 920,300 acres of wild land, which it is prepared to sell at very moderate rates.

"The Government lands sell at from 50 to 60 cents per acre. In the case of lands held by private proprietors the prices are influenced much by locality, by the contiguity of towns or villages, by roads and accessibility to leading markets; but on an average the price per acre may be set down at one dollar (for wild land). The settler from England, Ireland or Scotland will find these nationalities numerous represented in the Eastern Townships. Nowhere in the Provinces will he be more at home than in the south-west part of this region."

Already a large trade has sprung up in the Eastern Townships in the exportation of horned cattle to England. This trade is rapidly increasing, and adding largely to the general prosperity of the district.

The manufacturing interests of the Eastern Townships are of considerable magnitude, and are constantly on the increase. The water power is practically unlimited, and the local demand alone, to say nothing of the outside market, is sufficient to support a large number of mills and factories at which agricultural imple-

ments and machinery, clothes and other articles are manufactured. Money can be readily invested at a good rate of interest, with first-class security.

Taking it altogether, this is one of the most favoured as it is one of the most prosperous districts in the Dominion; and is, therefore, well deserving the attention of the English farmer, capitalist and agricultural labourer.

CHAPTER XXI.

VIEW OF CANADA AS SHOWN BY FIGURES.

It remains to give a chapter of general statistics in order to furnish the intending emigrant with such an idea of the importance of the Dominion of Canada as can be obtained by figures.

POPULATION.

Take the population to begin. The general census of the old four Provinces of Ontario, Quebec, New Brunswick and Nova Scotia was taken with great care in 1871. The following is the result as respects population in that year, as compared with the previous census of 1861:

	1871.	1861.	Increase.
Ontario	1,620,851	1,396,091	
Increase		224,760	16.10
Quebec	1,191,575	1,111,566	
Increase		80,009	7.20
New Brunswick	285,777	252,057	
Increase		33,743	13.38
Nova Scotia	387,800	330,857	
Increase		56,943	17.21
Average Increase of the four old Provinces	3,486,003	3,090,561	12.80
		395,442	

The following figures show the population of the whole Dominion in 1871, taking the basis of the census, so far as possible, and an estimate for the remainder.

	Population.
Nova Scotia.....	387,800
New Brunswick.....	285,777
Quebec.....	1,191,576
Ontario.....	1,620,850
Manitoba (in 1870).....	12,228
North West Territory (estimated, including Indians).....	36,000
British Columbia (estimated, including Indians).....	32,586
Prince Edward Island.....	94,021
Total Dominion	3,660,838

The present population of the Dominion (in 1879) is over 4,000,000.

The *Origins* of the people of the four old Provinces, as shown by the census of 1871, are given in the following table:—

	Ontario.	Quebec.	New Brunswick.	Nova Scotia.
African.....	13,435	148	1,701	6,212
Dutch.....	19,992	798	6,004	2,868
English.....	439,429	69,822	83,593	113,520
French.....	75,333	929,817	44,907	32,833
German.....	158,608	7,963	4,478	31,942
Greek.....	7	7	1	24
Half-Breed.....	2			3
Hindoo.....	8			
Indian.....	12,978	6,988	1,403	1,666
Irish.....	559,442	123,478	100,643	62,851
Italian.....	304	539	40	152
Jewish.....	48	74	3	
Russian, Polish.....	392	186	1	28
Scandinavian.....	686	454	200	283
Scotch.....	328,889	49,458	40,858	130,741
Spanish, Portuguese.....	213	142	223	251
Swiss.....	950	173	64	1,775
Welsh.....	5,282	283	1,096	1,112
Various other origins.....	295	32	1	13
Not given.....	4,503	1,154	373	1,526
Totals.....	1,620,851	1,191,516	285,594	387,800

TRADE OF THE DOMINION.

The following table shows the trade of the Dominion since Confederation. The increase from 1868 is remarkable, notwithstanding the check during the last three years, caused by the very general commercial depression.

EXPORTS, IMPORTS, GOODS ENTERED FOR CONSUMPTION AND DUTY.

<i>Fiscal Years.</i>	<i>Total Exports.</i>	<i>Total Imports.</i>	<i>Entered for Consumption.</i>	<i>Duty.</i>
	\$	\$	\$	\$ cts.
1868.....	57,567,888	73,459,644	71,985,306	8,819,431 63
1869.....	60,474,781	70,415,165	67,402,170	8,298,909 71
1870.....	73,573,490	74,814,339	71,237,603	9,462,940 44
1871.....	74,173,618	96,092,971	86,947,482	11,843,655 75
1872.....	82,639,663	111,430,527	107,709,116	13,045,493 50
1873.....	89,789,922	128,011,281	127,514,594	13,017,730 17
1874.....	89,351,928	128,213,582	127,404,169	14,421,882 67
1875.....	77,886,979	123,070,283	119,618,657	15,361,382 12
1876.....	80,966,435	93,210,346	94,733,218	12,833,104 48
1877.....	75,875,393	99,327,962	96,300,483	12,548,451 09
1878.....	79,323,667	93,081,787	91,199,577	12,795,693 17

The following table shows how Canada compares with the United States, the neighbouring and adjoining country, as to the value of domestic exports from the United States and the Dominion of Canada, also, the amount *per capita* exported from each country respectively, during the year 1876:—

	Exported from the United States Calendar year 1876.		Exported from Canada Fiscal year 1876.	
	<i>Value.</i>	<i>Amt. per capita, census 1870.</i>	<i>Value.</i>	<i>Amt. per capita, census 1871.</i>
	\$	\$	\$	\$
The mine.....	52,218,917	1.34	3,731,827	1.02
“ fisheries.....	3,676,213	0.09	5,500,989	1.50
“ forest.....	13,931,019	0.36	20,128,064	5.50
Animals and their products.....	122,895,193	3.16	13,517,654	3.70
Agricultural produce (exclusive of grain and breadstuffs).....	6,224,537	0.16	1,235,015	0.34
Agricultural produce, grain and breadstuffs.....	132,085,740	3.40	19,904,650	5.44
Agricultural produce, raw cotton and tobacco leaf.....	219,693,680	5.66		
Manufactures.....	69,316,383	1.79	5,843,650	1.60
Other articles.....	17,410,486	0.44	2,629,588	0.72
Total.....	637,452,168	16.40	72,491,437	19.82

FINANCES.—RECEIPTS AND PAYMENTS.

<i>Receipts for fiscal year 1878.—Consolidated Fund.</i>		<i>Amount.</i>
Customs.....		\$12,782,824 35
Excise.....		5,059,113 84
Post Office (including Ocean Postage and Money Orders).....		1,207,790 15
Public Works (including Railways).....		2,034,483 53
Miscellaneous.....		1,290,800 01
Loans.....		8,330,545 54
Investments.....		4,031,736 57
Open Accounts.....		1,649,417 93
Total.....		36,376,711 92
<i>Payments for fiscal year 1878.—Consolidated Fund.</i>		<i>Amount.</i>
Interest on Public Debt.....		\$7,048,883 55
Charges of Management.....		189,566 54
Sinking Fund.....		945,746 02
Premium, Discount and Exchange.....		2,519 80
Civil Government.....		823,369 80
Administration of Justice.....		564,920 11
Police.....		10,616 44
Mounted Police, North-West.....		334,748 50
Penitentiaries.....		308,101 69
Legislation.....		618,035 38
Geological Survey and Observations.....		96,049 74
Arts, Agriculture and Statistics.....		92,365 62
Census.....		1,053 66
Immigration and Quarantine.....		189,698 44
Marine Hospitals.....		57,484 60
Pensions.....		105,842 05
Superannuation Fund.....		106,588 91
Militia and Defence.....		618,136 58
Ocean and River Steam Packet Service.....		402,371 90
Fisheries.....		93,262 28
Lighthouse and Coast Service.....		461,967 71
Steamboat Inspection.....		14,315 82
Public Works and Buildings.....		998,594 70
Culling Timber.....		49,940 48
Subsidies to Provinces.....		3,472,807 87
Dominion Lands, Manitoba.....		87,628 52
do Forces do.....		11,210 18
Miscellaneous.....		81,167 81
Boundary Survey, United States.....		43,905 69
Indians.....		421,503 66
Settlers' Relief Account, Manitoba.....		8,577 48
Insurance Inspection.....		
Charge on Revenue:		
Customs.....	714,527 77	
Excise.....	215,024 56	
Weights and Measures.....	96,484 66	
Inspection of Staples.....	1,020 08	
Adulteration of Food.....	5,964 94	
Post Office.....	1,724,938 52	
Public Works.....	2,471,437 90	
Minor Revenues.....	21,785 45	
Redemption.....		5,251,183 82
Premium, Discount and Charges of Management, 1878.....		8,139,742 27
Investments.....		12,762 34
Open Accounts.....		591,500 00
		8,794,756 43
Total.....		41,041,919 29

PUBLIC DEBT AND INTEREST.

The following is a statement of the total amount of the public debt of Canada and interest; also the amount of both *per capita* of the population.

Total debt at July 1st, 1878.....	\$174,957,268 96
Total assets	34,595,199 05
Net debt.....	\$140,362,069 91

Interest on Public Debt.

Payable in London.....	\$5,780,539 72
Payable in Canada.....	506,245 95
Total interest.....	\$6,286,785 67

Debt and Interest per capita of Population, 1877.

Net debt <i>per capita</i>	\$33 25
Gross debt <i>per capita</i>	43 50
Total interest <i>per capita</i>	1 60

Receipts per capita of Population.

Consolidated revenue, fiscal year 1877, <i>per capita</i>	\$5 62
Tax receipts, fiscal year 1878, <i>per capita</i>	4 79
Expenditure, 1877-78, deducting cash investments, <i>per capita</i>	5 78
Gross revenue for same year, <i>per capita</i>	5 76

It will appear plain from these figures that the actual burdens per head on the people of Canada are very small.

BANKS OF THE DOMINION.

Paid up capital	\$68,923,154
Notes in circulation.....	18,265,364
Deposits.....	71,284,767
Specie and Dominion notes.....	14,459,476
Discounts.....	120,155,535

In addition to that of the Banks there is a Government circulation of \$10,680,493; making a total circulation of \$28,945,857.

And in addition to the deposits in the Chartered Banks there are deposits in the Government Savings Banks, Post Office Savings Banks, other Savings Banks, and Building Societies to a considerable amount. The following figures show the totals:

Chartered Banks.....	\$71,284,797 00
Government Savings Banks	4,652,138 99
P. O. Savings Banks.....	2,639,937 47
Savings Banks.....	6,271,506 99
City and District Savings Bank, Montreal.....	3,905,997 34
Caisse d'Economie Notre Dame de Québec.....	2,365,509 65
Total amount invested in Building Societies.....	24,497,007 39
Total amount of deposits and investments in Building Societies.....	115,616,893 83

It thus follows that the—

Bank Capital is.....	12 20	<i>per capita</i>
Bank Note Circulation.....	4 66	"
Bank Deposits.....	17 82	"
Bank Discounts.....	30 30	"
Total Deposits in Banks, with Government and P. O. Savings		
Banks and Investments in Building Societies.....	23 90	"

RAILWAYS OF THE DOMINION.

At the close of the fiscal year, 30th June, 1877, there were in actual operation in the Dominion 5,346 miles of railway, besides 228 miles in United States, owned and worked by Canadian companies. There were under construction 2,023 miles upon which work was actually done during the year, and a good many other lines chartered, upon which work at that date had not been commenced. The gauge of the total mileage was—

	<i>Miles.</i>
5 ft. 6 in.....	539 $\frac{3}{4}$
4 ft. 8 $\frac{1}{2}$ in.....	4,136 $\frac{1}{2}$
3 ft. 6 in.....	672
Of these, were laid with steel rails	2,785 $\frac{1}{2}$
do iron do	2,765 $\frac{1}{2}$
do wooden rails.....	25 $\frac{1}{2}$

The number of miles of sidings was 688.

The total capital raised for railways in operation at that date was \$327,601,974, viz :

Ordinary share capital paid up.....	113,702,126
Preference do do	68,876,867
Bonded debt paid up.....	79,674,382
Amount paid and loaned by—	
Dominion Government.....	63,296,380
Ontario do	3,250,769
Quebec do	10,295,506
N. Brunswick do	2,883,000
Nova Scotia do	1,885,727
Municipalities.....	11,263,353
Total.....	\$355,078,111
Less unpaid Government and Municipal Loans.....	27,601,974
	327,476,137

The paid-up capital of railways under construction was:

Ordinary share capital.....	\$ 1,999,874 00
Bonded debt.....	202,000 00
Government loans or bonuses.....	19,399 00
Municipal loans or bonuses.	4,330 00

\$19,626,140 00

The total paid-up capital 30th June, 1877, was \$145,950,116. \$17,454,300 had been granted by the Dominion Government as loan to the Grand Trunk and Northern Railways, and \$42,828,726 as bonus principally to the Intercolonial, P.E. Island and Pacific Railways. The Ontario Government had granted a loan of \$70,000 to the Brantford, Norfolk & Port Burwell, and bonuses of \$2,661,134 to other railways. The bonuses of the Quebec Government amounted to \$10,295,506, of which two-thirds were to the Quebec, Montreal, Ottawa & Occidental. The New Brunswick Government had bonuses of \$2,383,000, with a loan of \$150,000 and share subscriptions \$300,000, and Nova Scotia bonuses of \$1,885,727.

The total train mileage was 19,450,813. The number of passengers was 6,073,233, and of tons of freight 6,859,796. Over two million passengers and two million tons of freight were carried by the Grand Trunk, the Great Western carrying the second largest number. The total earnings of all the railways were—

Passenger traffic.....	\$ 6,458,493 52
Freight do	11,321,264 26
Mails and Express.....	744,741 46
Other sources.....	217,554 24

Total..... \$18,742,053 48

The cost of operating was—

Maintenance.....	\$3,226,765 76
Working and repairs of engines..	4,816,349 41
Working and repairs of cars...	1,515,774 90
General operating charges.....	5,731,201 78

\$15,290,091 48

leaving a net profit of \$3,451,962 on the year's operations, about sufficient to pay \$4.33 per cent. on the bonded debt. The earnings averaged \$3,362 per mile, and the expenses \$2,764.

The total amount which the Dominion and Local Governments and Municipalities had expended and become liable for up to 30th June, 1877, was \$92,824,736.

As against this considerable amount of indebtedness there has not been so far any *direct* return, but the indirect return and increase of values in the country are believed to be very much greater than the amount expended.

As respects the Canadian Pacific Railway the result of the surveys are published in the report of the Chief Engineer (1877).

The surveys cover a period of six years, at a cost to the Government of \$3,136,615.75, and they may, in themselves, be called a marvel of their kind. They have established, not only the perfect feasibility, but the fact of an extremely satisfactory line, from the head of St. Lawrence navigation, on Lake Superior, to the Tête Jaune Cache, on the western side of the great Continental "divide" in the main Rocky Mountain chain. This pass has been before described by Mr. Fleming, as the "gate" of the Rocky Mountains. Its highest point of elevation is 3,626 feet above the sea, against 8,242, the highest level actually traversed by the Union and Central Pacific Railway from Omaha to San Francisco. That is, an altitude of much more than double that of the Tête Jaune or Yellow Head Pass. This is, however, only a small part of the advantages of the Canadian line in respect to altitudes actually successfully traversed by the American line. The length of the various lines surveyed and routes explored by the Engineering staff of Mr. Fleming is 46,000 miles, of which no less than 11,500 miles have been labouriously measured, yard by yard.

The Canadian line is out of all comparison in a more favourable position for cheap transportation than the Union and Central Pacific now in actual operation in the United States. There is no gradient in either direction between the Lake Superior terminus and the Tête Jaune Cache on the west side of the Rocky Mountains exceeding 1 per 100, or 52.8 feet per mile, and, with one little exception, at the crossing of South Saskatchewan, the heaviest gradient ascending eastward from a point near Battleford to Fort William is only 0.5 per hundred, or 26.4 per mile; and this location may be revised.

As far as regards snow obstructions it appears, from tables compiled by Professor Kingston, from three years observations in the Rocky Mountains, that in some of the passes and river valleys snow may average from four to five feet in depth, but in the general fall the average is far below that of Ottawa, Quebec and Montreal; while east of the Rocky Mountains, between Jasper Valley and Edmonton, it does not much exceed half that of Ottawa. With respect to the cold, though the autumn is more severe in the Rocky Mountain district than in Ontario, Quebec and the Maritime Provinces, yet the winter itself compares favourably with Eastern Canada. On other portions of the line the general snow fall is less than that of Ottawa.

The Prairie Region, from its great adaptability for wheat culture, will probably, at an early day, be the seat of a very large population, and the line has been especially located with the view to obtain the lightest possible gradients and the easiest curvature, with the intention of obtaining the absolutely best conditions of traffic for the future.

The extent of cultivable land between Lake Superior and the Rocky Mountains is stated in the report of the Chief Engineer to be 160,000,000 acres. The total average under cultivation in the Province of Ontario is under 7,000,000. There are drawbacks to the settlement of the North-West which claim recognition, but there cannot be any doubts as to the salubrity of the climate and the great fertility of the soil; and it is undoubtedly capable of sustaining a large population.

The question of greatest difficulty to be yet finally settled is to decide the route from the continental "divide" at the Yellow Head Pass to the Pacific Ocean; or whether to take it in a more northerly direction through the Peace River country. No less than eleven different routes have been projected from the Yellow Head Pass to the coast, ten of which have been measured, the routes varying from 461 to 560 miles. Route No. 1 to Burrard Inlet is the shortest. But Route No. 2 to the same Inlet appears to have the most decided advantages. The estimated cost of building the road by these several routes ranges, in round numbers, from \$30,000,000 to \$40,000,000. That (No. 2) to Burrard Inlet being \$35,000,000. These estimates are founded on work of the character of that of the Intercolonial Railway.

As regards the Harbour of the terminus with a view to through traffic, so far as known, Burrard Inlet, an arm of the Strait of Georgia, and particularly English Bay, at its mouth, is the best harbour, and has the easiest approach from the ocean.

The following is a statement of distances on the Canadian Pacific Railway, the portions under contract and the Telegraph lines under contract:—

	<i>Miles.</i>	<i>Intermediate Distances.</i>
Ottawa to Eastern Terminus (resumed).	206	
“ Fort William.....	800	600
“ English River.....	913	113
“ Keewatin.....	1,093	185
“ Selkirk.....	1,210	112
“ Pontvincourt.....	1,381	117
“ Livingstone.....	1,481	100

	<i>Miles.</i>	<i>Inter- mediate Distances.</i>
Ottawa to Saskatchewan.....	1,677	196
" Battleford.....	1,767	90
" Edmonton.....	1,997	230
" Yellow Head Pass (Summit in Rocky Mountains).....	2,253	256
" Tête Jaune Cache.....	2,390	47
" Port Moody, Burrard Inlet....	2,746	
" Waddington Harbour, Bute In- let.....	2,800	
" Kamsquot, Dean Channel.....	2,741	
Montreal to Port Moody, Burrard Inlet...	2,862	
Montreal to Waddington Harbour, Bute Inlet.....	2,916	

Telegraph Lines under Contract.

Fort William to Selkirk.....	410	} 1,747
Selkirk to Livingstone.....	271	
Livingstone to Edmonton..	516	
Edmonton to existing line B.C.....	550	

Railway under Contract.

Fort William to English River.....	113	} 226
Selkirk to Keewatin.....	112	

Preliminary Location Survey Completed.

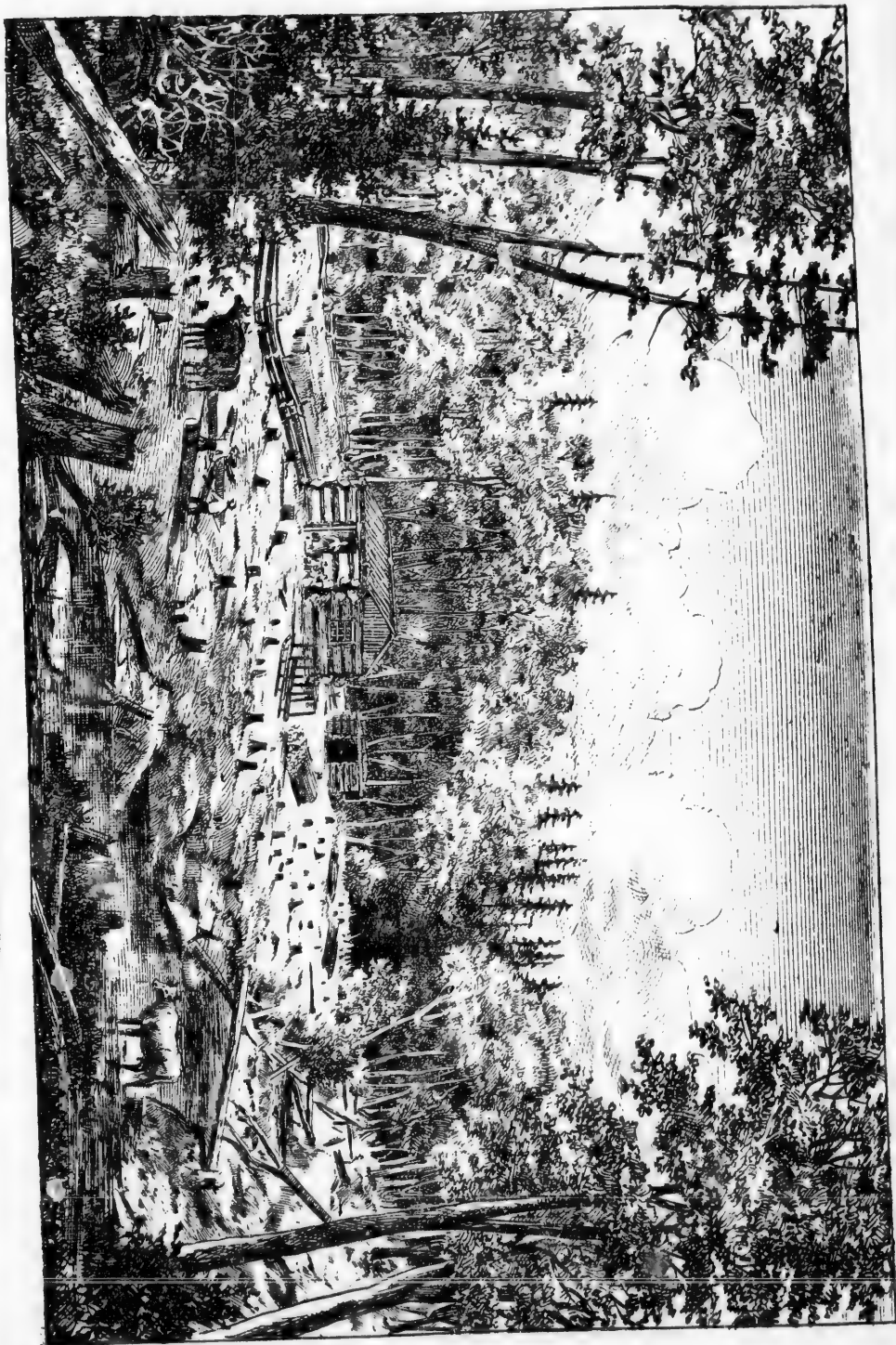
English River to Keewatin.....	105	} 1,275
Selkirk to Tête Jaune Cache.....	1,090	

Penbina Branch.

Line Graded.....	63	} 83
Balance of Line Located.....	20	

THREE VIEWS IN THE LIFE OF A CANADIAN FARMER.

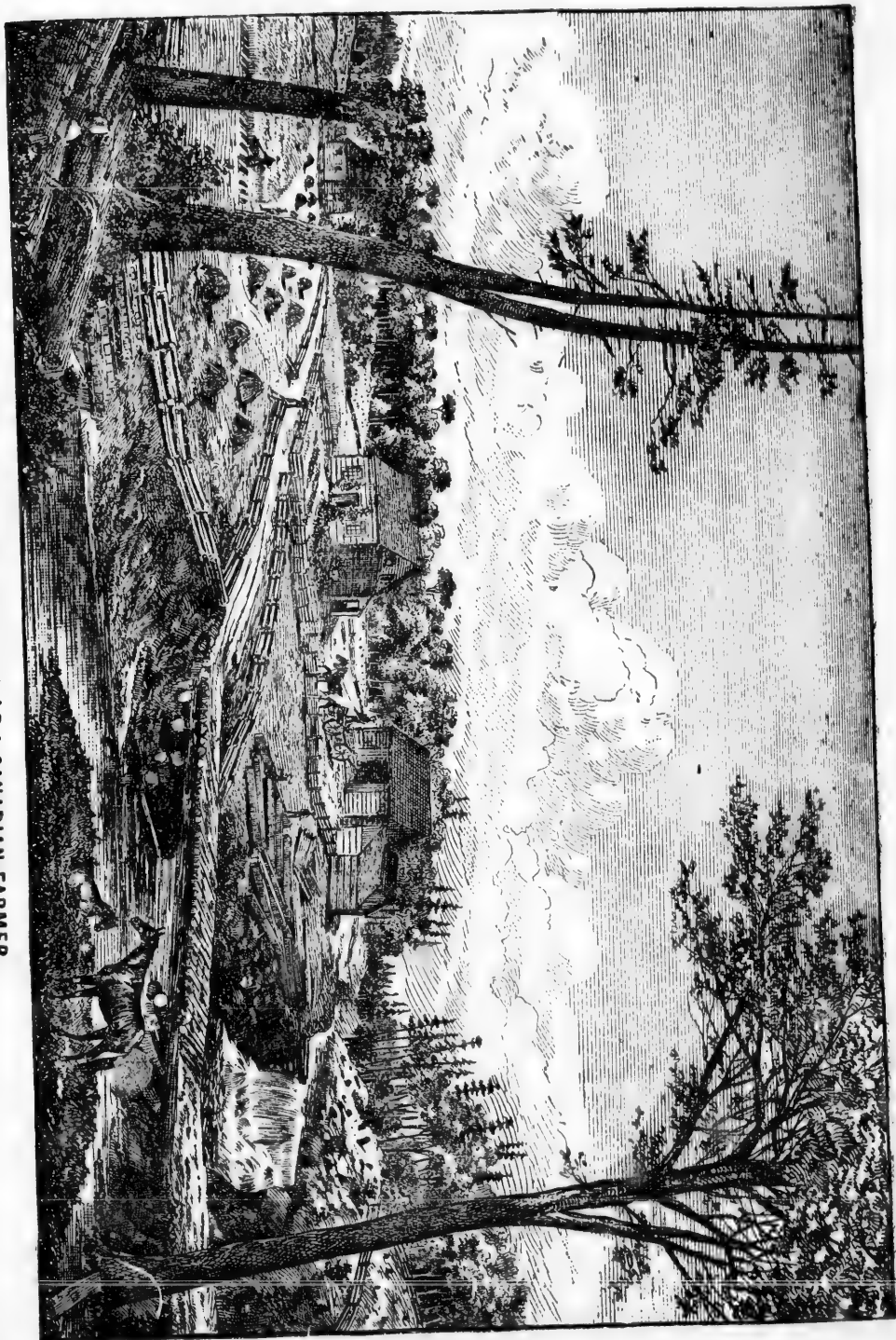
No. 1.—THE SHANTY IN THE BUSH.



THREE VIEWS IN THE LIFE OF A CANADIAN FARMER.
No. 1.—THE SHANTY IN THE BUSH.

THREE VIEWS IN THE LIFE OF A CANADIAN FARMER.

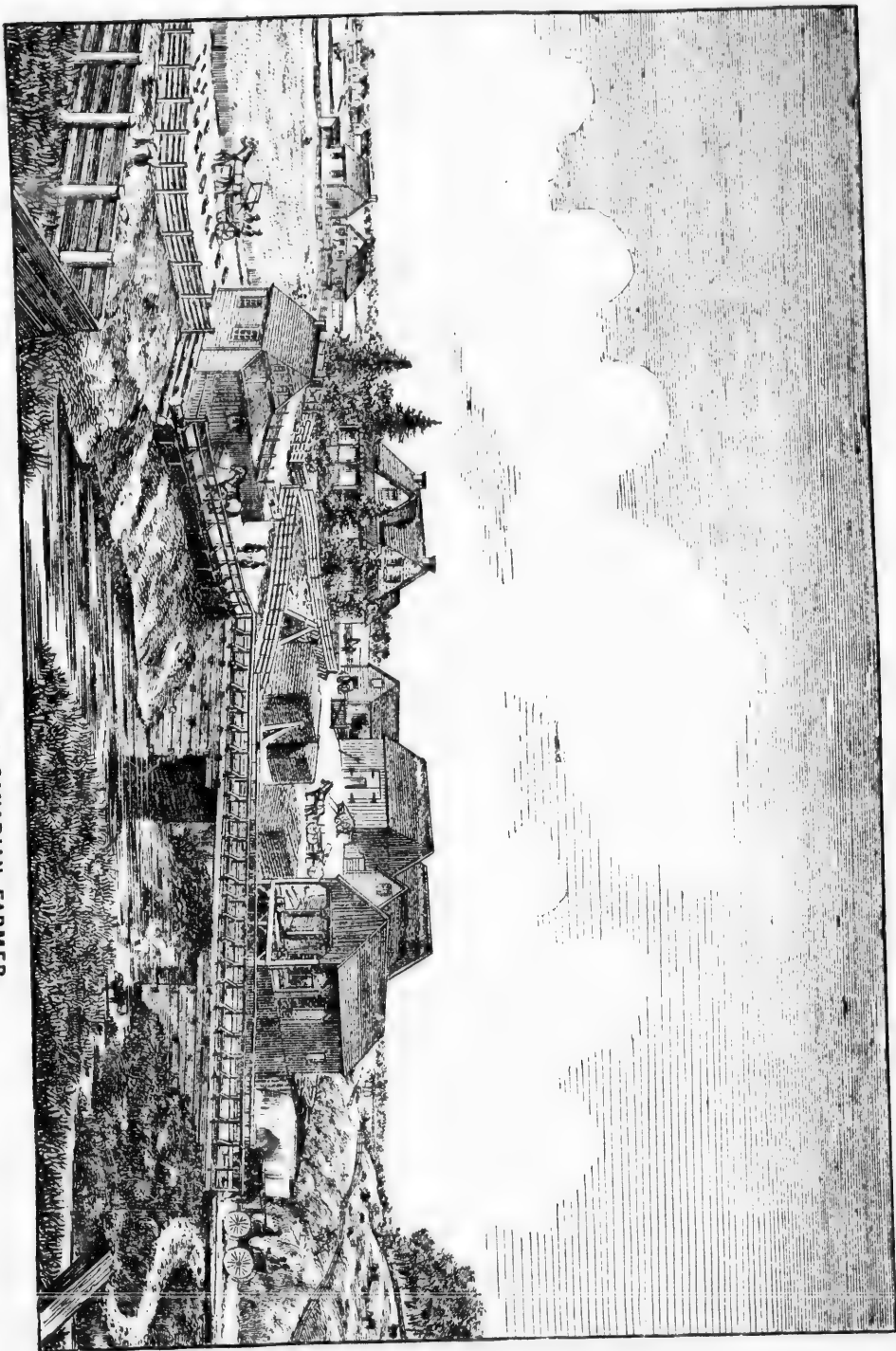
No. 2.—FIFTEEN YEARS AFTER SETTLEMENT IN THE BUSH.



THREE VIEWS IN THE LIFE OF A CANADIAN FARMER.
No. 2.—FIFTEEN YEARS AFTER SETTLEMENT IN THE BUSH.

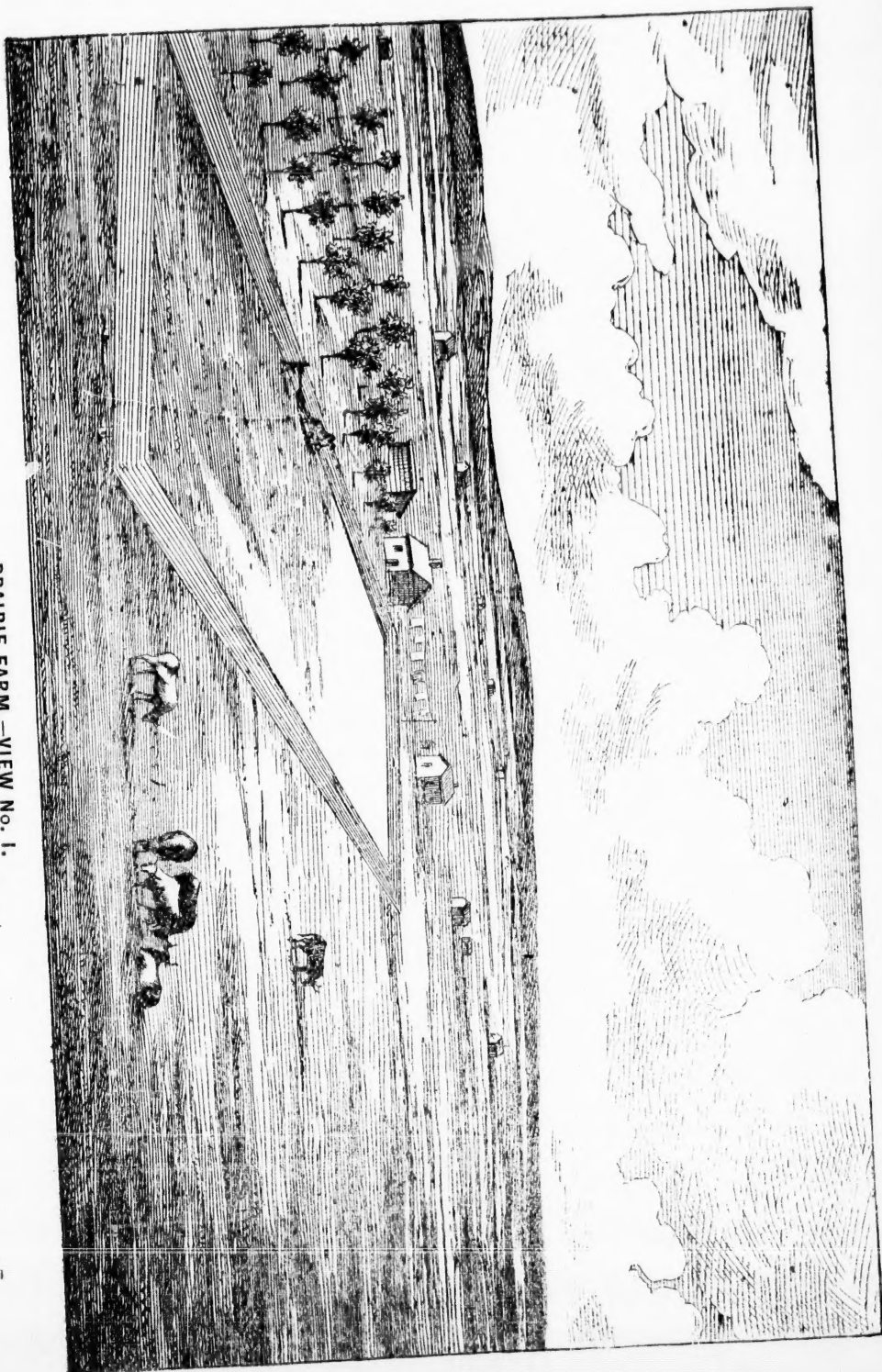
THREE VIEWS IN THE LIFE OF A CANADIAN FARMER.

No. 3.—THIRTY YEARS AFTER SETTLEMENT IN THE BUSH.



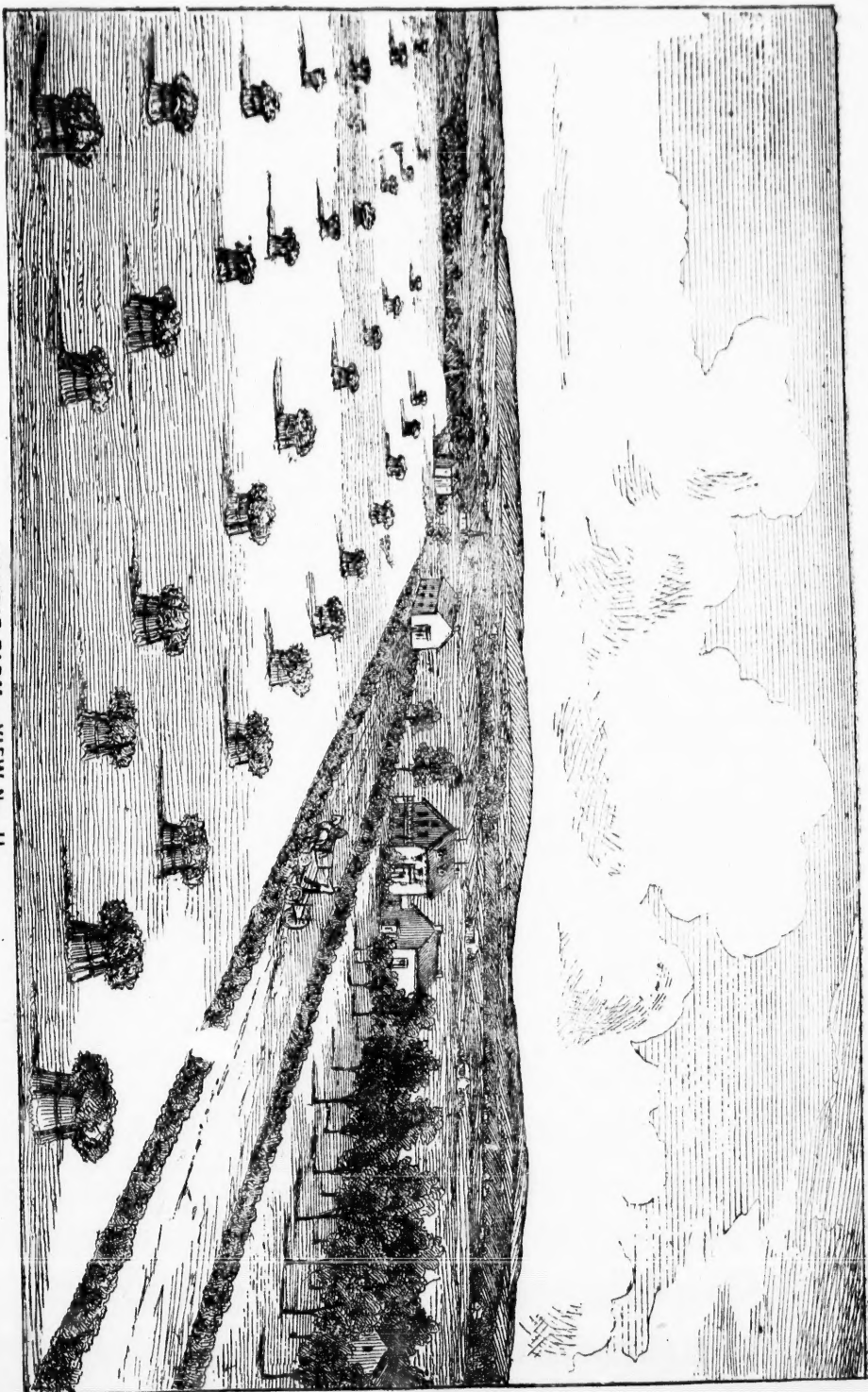
THREE VIEWS IN THE LIFE OF A CANADIAN FARMER.
No. 3.—THIRTY YEARS AFTER SETTLEMENT IN THE BUSH.

PRAIRIE FARM.—VIEW No. 1.
FIRST YEAR OF SETTLEMENT ON THE PRAIRIE.



PRAIRIE FARM.—VIEW NO. 1.
FIRST YEAR OF SETTLEMENT ON THE PRAIRIE.

PRAIRIE FARM.—VIEW No. II.
AFTER SIX YEARS' SETTLEMENT ON THE PRAIRIE.



PRAIRIE FARM.—VIEW No. II.
AFTER SIX YEARS' SETTLEMENT ON THE PRAIRIE.